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February 27, 2007

By Hand Delivery

Mark W. Lucas
Case Manager - LUST Enforcement Unit
TPD/Corrective Action Section
Arizona Department of Environmental Quality
1110 W. Washington Street, #4415A-3
Phoenix, AZ 85007

Re: *Fourth Quarter Status Report for 2006*
LUST File #0393.02-.10, .15-.17
Facility ID #0-002227

Dear Mr. Lucas:

Honeywell is submitting this *Fourth Quarter Status Report for 2006* in accordance with requirements in the Arizona Department of Environmental Quality's (ADEQ) *Corrective Action Plan Final Approval* letter dated October 7, 2005, and CAP modification approval letters dated December 20, 2005, March 7, 2006, and September 28, 2006.

If you should have any questions or require discussion, please contact me at 973-455-4279 or Jeff Mieth at 480-377-6265. For your convenience, my e-mail address is troy.j.meyer@honeywell.com and Jeff's is jeffrey.mieth@ch2m.com.

Sincerely,

Troy J. Kennedy
Honeywell - Health, Safety, Environment and Remediation
Remediation Portfolio Director

Mr. Lucas
February 27, 2007
Page 2 of 2

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Kris Paschall, ADEQ
Rebecca Godley, City of Phoenix Aviation
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Robert Forsberg, Levine-Fricke Recon
Mary Moore, Lindon Park Neighborhood Association
Mario Castaneda, Gateway Community College
Rick Loewen, Honeywell

ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
Tank Programs Division
Underground Storage Tank (UST) Program

ADEQ use only

DOCUMENT SUBMITTAL FORM

[use as **COVER SHEET** when submitting the documents listed below]

UST FACILITY INFORMATION:

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Facility Name
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City Zip Code County
0-002227
Facility ID
0393.02 - .10, .15-.17
LUST Number(s)

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PERSON CATEGORY

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☒ UST owner 4875
☐ UST operator
☐ UST volunteer
☐ Property owner

LUST, RELEASE OR CORRECTIVE ACTION DOCUMENT: (check all that apply; * indicates document requires signed certification statement)

- | | | |
|---|--|---|
| <input type="checkbox"/> * 14 day report (suspected release) | <input type="checkbox"/> * Free Product Report | <input type="checkbox"/> * Addendum (check related document type) |
| <input type="checkbox"/> * 90 day report (suspected release) | <input type="checkbox"/> * Tier 2 risk evaluation | <input type="checkbox"/> Other: (please specify) |
| <input type="checkbox"/> * 14 day report (confirmed release) | <input type="checkbox"/> * Tier 3 risk evaluation | |
| <input type="checkbox"/> * 90 day report (confirmed release) | <input type="checkbox"/> * Corrective action plan (CAP) | |
| <input type="checkbox"/> * LUST site classification form | <input checked="" type="checkbox"/> * Periodic site status report
(includes groundwater monitoring reports) | |
| <input type="checkbox"/> * Site characterization report (SCR) | <input type="checkbox"/> * LUST case closure request
w/corrective action completion report | |

UST DOCUMENT: ☒

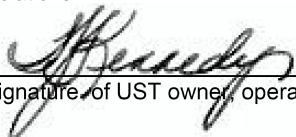
SAF DOCUMENT: ☐ Application #: _____

INFORMAL APPEAL:

- ☐ LUST
☐ SAF
☐ UST

CERTIFICATION STATEMENT OF UST OWNER, OPERATOR OR VOLUNTEER: (for only documents designated above by *)

"I hereby certify, under penalty of law, which this submittal and all attachments are, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are penalties for submitting false information, including the possibility of a fine and imprisonment for knowing violations."



Signature of UST owner, operator or volunteer

02/27/07
Date

Troy J. Kennedy
Name of UST owner, operator or volunteer (printed)

Remediation Portfolio Director
Title

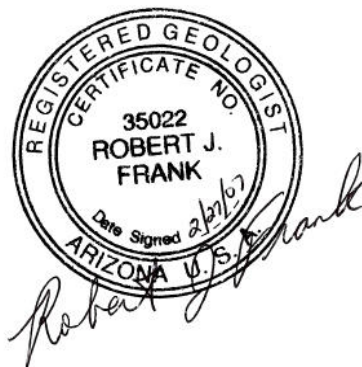
Report

Fourth Quarter Status Report for 2006
Honeywell 34th Street Facility
Facility ID No. 0-002227
LUST File Nos. 0393.02-.10, .15-.17

Volume 1 of 2

Prepared for
Honeywell International Inc.

February 2007



Prepared by



CH2MHILL

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As reflected by this table of contents, the original hard copy of this document, provided to the Arizona Department of Environmental Quality, consists of two volumes. Remaining copies consist of one volume, including hard copy text, tables, figures, Appendix A, and Appendix B. Appendix C is provided in electronic format only. A complete electronic copy of this document is provided on the attached CD-ROM.

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Acronyms and Abbreviations

%LEL	percent of lower explosive limit
µg/L	micrograms per liter
ADEQ	Arizona Department of Environmental Quality
BSVE	bioenhanced soil-vapor extraction
BTEX	total benzene, toluene, ethylbenzene, and xylenes
CAP	Corrective Action Plan
CO ₂	carbon dioxide
COP	City of Phoenix
DSD	Design Services Department (City of Phoenix)
Facility	Honeywell 34 th Street Facility
Honeywell	Honeywell International Inc.
LUST	leaking understand storage tank
MCAQD	Maricopa County Air Quality Department
MCL	maximum contaminant level
MRL	minimum reporting level
MTBE	methyl tert-butyl ether
O ₂	oxygen
OU	Operable Unit
TCA	1,1,1-trichloroethane
TCE	trichloroethylene
TI	Tenant Improvement (Aviation Department)
TRPH	total recoverable petroleum hydrocarbons
USEPA	United States Environmental Protection Agency
UST	underground storage tank
VOC	volatile organic compound

1.0 Introduction

1.1 Scope and Purpose

This quarterly status report summarizes ongoing contaminant characterization and remediation activities conducted during the fourth quarter 2006, for Leaking Underground Storage Tank (LUST) File Nos. 0393.02-10, .15-17, Facility ID No. 0-002227, Honeywell 34th Street Facility (Facility or Honeywell facility). In accordance with the Arizona Department of Environmental Quality's (ADEQ) letter to Honeywell International Inc. (Honeywell), dated November 17, 2006 (ADEQ, 2006a), Honeywell has added LUST File Nos. 0393.16 and 0393.17 to the scope of this status report and will continue to reference these file numbers on all future submittals related to the Corrective Action Plan (CAP) (CH2M HILL, 2004a-b) and contaminant remediation.

This report is being submitted pursuant to reporting requirements in the ADEQ letter, dated October 7, 2005 (ADEQ, 2005a), issuing final approval of Honeywell's CAP (CH2M HILL, 2004a-b) and in accordance with ADEQ's CAP modification approval letters dated December 20, 2005 (ADEQ, 2005b), March 7, 2006 (ADEQ, 2006b), and September 28, 2006 (ADEQ, 2006c).

1.2 Background

The Honeywell facility is located within Operable Unit (OU) 2 of the Motorola 52nd Street Superfund Site at 111 South 34th Street in Phoenix, Arizona. Figure 1-1 illustrates the Facility location and layout. The Honeywell facility has been used as a manufacturing and testing facility for the production of aircraft engines and auxiliary equipment since 1951.

The United States Environmental Protection Agency (USEPA) and ADEQ Superfund Programs Section are currently overseeing the characterization and remediation of soil and groundwater contaminated with chlorinated volatile organic compounds within the Superfund site. ADEQ has been delegated the lead for facility investigations within OU2, including the Honeywell facility. During the Superfund investigation, petroleum hydrocarbons were detected at the Honeywell facility, and a parallel investigation was initiated under the ADEQ Underground Storage Tank (UST) Corrective Action Section. Since that time, Honeywell has investigated the extent of contamination, initiated corrective actions to recover free product, and developed a CAP. The approved CAP (CH2M HILL, 2004a-b) recommends the following remedial actions:

- Remediate soil contamination in the vadose zone, the petroleum hydrocarbon smear zone, and the free-phase petroleum hydrocarbon pool with bioenhanced soil-vapor extraction (BSVE).
- Supplement BSVE remediation by selectively removing free product from existing groundwater monitoring wells.

- Treat the remaining dissolved-phase groundwater contamination with monitored natural attenuation after aggressive source removal is complete. ADEQ is withholding approval of this remediation technology pending completion of free-product removal to the maximum extent practicable (ADEQ, 2005a).

1.3 Summary of Activities

This quarterly status report summarizes the activities conducted or completed as part of the UST corrective action from October 2006 through December 2006:

- Honeywell conducted the fourth quarter 2006 groundwater sampling event between December 7 and December 15, 2006.
- Honeywell conducted three monthly water-level measurements and two additional rounds of manual free-product-specific monitoring/recovery during the fourth quarter 2006. As described in Section 2.1, the free-product monitoring/recovery schedule is based on the measured free-product thicknesses in individual monitoring wells in accordance with the *LUST Field Sampling Plan – Groundwater Sampling, Free Product Monitoring and Recovery Plan* (CH2M HILL, 2005a).
- Honeywell collected a free-product sample from monitoring well ASE-107A on November 2, 2006. The free-product sample was fingerprinted for fuel type and analyzed for volatile organic compounds (VOCs) using USEPA Method 8260B.
- Honeywell continued monthly monitoring of 13 Sky Harbor International Airport subsurface utility vaults for oxygen (O₂), carbon dioxide (CO₂), methane, and percent of lower explosive limit (%LEL).
- Honeywell continued helium gas tracer tests between October 2 and October 18, 2006, and between November 14 and November 28, 2006, to determine well dilution effects from ambient air during soil-gas sampling at selected monitoring wells.

SECTION 2.0

2.0 Site Characterization Activities

This section describes groundwater and free-product data collected as part of Honeywell's ongoing UST monitoring program. Because there were no additional monitoring wells installed or associated soil samples collected during the reporting period (October 1, 2006 to December 31, 2006), this section does not include a discussion of soil data. For a discussion of historical soil data, see the *First Quarter Status Report for 2006, Honeywell 34th Street Facility, Facility ID No. 0-002227, LUST File Nos. 0393.02-.10, .15* (CH2M HILL, 2006a). Groundwater data presented in this section were generated from samples collected during the fourth quarter groundwater sampling round conducted in December 2006, in accordance with the *LUST Field Sampling Plan – Groundwater Sampling, Free Product Monitoring and Recovery Plan* (CH2M HILL, 2005a).

Consistent with Honeywell's *Site Characterization Report Update – October 2005* (CH2M HILL, 2005b), this section presents a discussion of dissolved-phase contaminant concentrations and distribution, along with associated plan view plots, of:

- Benzene.
- Methyl-tert-butyl-ether (MTBE).
- Naphthalene.
- Benzo(a)pyrene.
- Total benzene, toluene, ethylbenzene, and xylenes (BTEX).
- Total recoverable petroleum hydrocarbons (TRPH).
- Total VOCs.
- Total non-fuel VOCs.
- Total trichloroethylene (TCE).
- Total 1,1,1-trichloroethane (1,1,1-TCA).

This section also discusses free-product thickness measurements collected on December 6-7, 2006 and the historical maximum free-product thicknesses measured in Honeywell's UST monitoring wells since free product was first encountered in a monitoring well at the Facility in 1999. Furthermore, this section discusses the analytical results of a sample of free product collected from monitoring well ASE-107A on November 2, 2006. Data regarding Honeywell's free-product recovery efforts and recovered free-product volumes through fourth quarter 2006 are presented in Section 3.0.

2.1 Free Product

Historically, free product has been observed in 30 monitoring wells located on the Honeywell facility and Sky Harbor International Airport property. Honeywell monitors the thickness of free product in these and other monitoring wells near the free-product pool either monthly or biweekly. The monitoring schedule is based on the measured free-product thicknesses and is in accordance with the *LUST Field Sampling Plan – Groundwater Sampling, Free Product Monitoring and Recovery Plan* (CH2M HILL, 2005a). In general, any monitoring

well with a free-product thickness less than 0.1 foot is measured monthly, and any monitoring well with a free-product thickness greater than 0.1 foot is measured biweekly. During the reporting period, monitoring wells ASE-67A and ASE-107A were measured approximately biweekly, as indicated in Table 2-1.

Free-product thicknesses are illustrated in this quarterly status report for measurements collected on December 4, 2006 (ASE-67A only) and December 6, 2006 (the last complete monitoring round of the reporting period), as well as the historical maximum thicknesses. Table 2-1 provides free-product thickness measurements collected during the reporting period for all monitoring wells where free product has been observed historically.

On December 6, 2006, Honeywell observed free product in eight monitoring wells located on its property and Sky Harbor International Airport property (including monitoring well ASE-67A measured on December 4, 2006), as shown on Figure 2-1. These monitoring wells previously contained free product at thicknesses equal to or greater than those measured in December 2006. The December 6, 2006 free-product thickness measurement of 0.02 foot in monitoring well ASE-91A was equal to its historical maximum thickness, observed in September 2006. On December 6, 2006, the maximum free-product thickness observed in any monitoring well was 0.41 foot in monitoring well ASE-107A (Figure 2-1). The free-product thickness in monitoring well ASE-107A on December 6, 2006 was less than the maximum free-product thickness observed in this well to date (0.73 foot on April 5, 2006). It should be noted that an automated free-product skimmer system is currently installed in monitoring well ASE-67A which controls the free-product thickness in the well. Therefore, the reported free-product thicknesses for monitoring well ASE-67A do not represent equilibrium conditions.

A comparison to the previous quarter's free-product thickness measurements (collected on September 6 and 7, 2006) shows that free product thicknesses decreased slightly in half the monitoring wells, and increased slightly in the other half, between September and December 2006 for wells containing product during both measurements (CH2M HILL, 2006b). Of the eight monitoring wells containing free product on December 4 and 6, 2006, the thickness of product decreased in three wells (ASE-51A, ASE-102A, and ASE-115A), increased in four wells (ASE-67A, ASE-89A, ASE-90A, and ASE-107A), and remained the same in one well (ASE-91A) from the measurements collected on September 6 and 7, 2006. Free product was encountered in monitoring well ASE-90A on December 6, 2006; this well did not contain free product on September 6, 2006 (prior to September 2006, free product was last encountered in monitoring well ASE-90A on March 1, 2006). Conversely, free product was not encountered on December 6, 2006 in monitoring well ASE-111A; this well contained free product during the previous quarter's monitoring round on September 6, 2006 at a thickness of 0.03 foot (CH2M HILL, 2006b).

The December 2006 free-product thickness measurements indicate that the free product was limited to three separate areas, similar to the previous reporting period (Figure 2-1). North of Air Lane on the Honeywell facility, free product was detected in monitoring wells ASE-51A, ASE-67A, and ASE-115A. South of Air Lane on the Honeywell facility, free product was detected in monitoring well ASE-91A located in the central portion of the area associated with the CAP. On Sky Harbor International Airport property, free product was detected in monitoring wells ASE-89A, ASE-90A, ASE-102A, and ASE-107A. Each of these

free-product areas is delineated further by monitoring wells that did not contain free product (Figure 2-1).

As stated above, free product has been observed historically in 30 different monitoring wells located on the Honeywell facility and Sky Harbor International Airport property. The maximum free-product thickness measured in any of these wells since April 1999, when free product was first encountered in a monitoring well at the Honeywell facility, was 4.52 feet in monitoring well ASE-67A on July 26, 2005 (Figure 2-2).

The historical free-product thickness measurements show that the cross-gradient extent of the free-product pool can be defined historically by groundwater monitoring wells ASE-54A and ASE-66A to the northwest and by monitoring wells BC-7A and ASE-127A to the southeast. The upgradient (northeast) extent of the free-product pool can be delineated by monitoring wells ASE-59A, ASE-60A, and ASE-61A. According to the historical thickness measurements, the downgradient (south-southwest) extent of the free-product pool can be defined by monitoring wells ASE-58A, ASE-46A, ASE-62A, ASE-65A, ASE-126A, ASE-97A, BC-8B, ASE-95A, ASE-124A, ASE-100A, ASE-101A, ASE-128A, ASE-98A, ASE-99A, ASE-110A, ASE-109A, ASE-123A, ASE-122A, ASE-112A, and ASE-105A (Figure 2-2).

Honeywell collected a free-product sample from monitoring well ASE-107A on November 2, 2006. The free-product sample was fingerprinted for fuel type and analyzed for VOCs using USEPA Method 8260B. The results from the fingerprint analysis indicated that the free-product sample collected from monitoring well ASE-107A consisted of approximately 35 percent JP-4 fuel and 65 percent Jet-A fuel. The letter report and chromatograms for the fuel fingerprint analysis are included in Appendix A.

The VOC analysis of the free product was performed as both a diluted sample and a partition sample. The diluted sample was analyzed by diluting the free-product sample 500 times to lower the detection limits. This resulted in detection limits in the 10,000 to 50,000 micrograms per kilogram ($\mu\text{g}/\text{kg}$) range, with only ethylbenzene (270,000 $\mu\text{g}/\text{kg}$) and total xylenes (estimated at 44,000 $\mu\text{g}/\text{kg}$) detected. No chlorinated VOCs were detected.

To obtain lower detection limits, a second aliquot of the free-product sample was shaken with an equal portion of laboratory water (partition sample), and the water was analyzed by USEPA Method 8260B. This resulted in detection limits generally in the 1 to 5 micrograms per liter ($\mu\text{g}/\text{L}$) range.¹ Six VOCs (methylene chloride, benzene, toluene, ethylbenzene, total xylenes, and MTBE) were detected in the partition sample; none of the chlorinated VOCs of interest (TCE, 1,1,1-TCA, or their daughter products) were detected. The letter report describing the difference between the diluted sample VOC analysis and the partition sample VOC analysis, and the chromatograms and laboratory reports of the free-product sample collected from monitoring well ASE-107A are included in Appendix A.

¹ Note that the units differ from the initial analysis described in the preceding paragraph because the initial analysis was done directly on free product, which is measured by the laboratory in $\mu\text{g}/\text{kg}$. The second analysis was done directly on water in contact with the free product, thus the analysis of the water is measured by the laboratory in $\mu\text{g}/\text{L}$.

2.2 Groundwater

In accordance with Honeywell's *LUST Field Sampling Plan – Groundwater Sampling, Free Product Monitoring and Recovery Plan* (CH2M HILL, 2005a), Honeywell performs quarterly evaluations of the groundwater quality in the area associated with the CAP. In addition, Honeywell measures groundwater levels in monitoring wells associated with the CAP monthly, as presented in the above-referenced plan (CH2M HILL, 2005a). As part of the overall groundwater monitoring program for the Honeywell facility, groundwater levels are also measured quarterly in all other Honeywell groundwater monitoring wells. An evaluation of the groundwater levels and associated groundwater flow directions in December 2006 in the area associated with the CAP is presented in this section. Hydrographs illustrating water level elevations over time for each of Honeywell's UST monitoring wells are included in Appendix B.

Sixty-two monitoring wells were sampled as part of the quarterly UST monitoring program between December 7 and 15, 2006. Analytical results from these monitoring wells are presented in this quarterly status report on plan view maps and discussed below. Complete laboratory analytical and data validation reports are contained in Appendix C. A groundwater sample was not collected from monitoring well BC-18 during the December 2006 sampling event because this well was dry. This monitoring well was also dry during the September 2006 sampling event. A groundwater sample was not collected from monitoring well ASE-19A because there was not a sufficient amount of groundwater in the monitoring well casing to collect a representative sample. In addition, a groundwater sample was not collected from monitoring well ASE-67A due to the ongoing operation of an automated free-product skimmer system in the well.

This section includes plan view maps with posted water quality data for:

- Benzene.
- MTBE.
- Naphthalene.
- Benzo(a)pyrene.
- Total BTEX.
- TRPH.
- Total VOCs.
- Total non-fuel VOCs.
- Total TCE.
- Total 1,1,1-TCA.

Concentration contours are presented along with the posted data for the individual compounds (benzene, MTBE, naphthalene). These contours delineate areas exceeding regulatory standards and laboratory detection limits.

2.2.1 Water-level Elevations

Groundwater elevations for all monitoring wells at and near the Honeywell facility were measured on December 6, 2006, except for monitoring well ASE-67A which was measured on December 4, 2006. These elevations and associated groundwater-level contours are presented on Figure 2-3 for the eastern portion of the Honeywell facility and Sky Harbor

International Airport property. Similar to previous time periods, the direction of groundwater flow in this area was to the south-southwest (Figure 2-3). A comparison of water-level elevations collected in September and December 2006 shows that water levels rose in all but one monitoring well associated with the CAP (Table 2-2). The rise in water-level elevation between September and December 2006 ranged from 0.01 foot (ASE-98A) to 1.68 feet (ASE-127A), with an average rise of approximately 1.06 feet. The water-level elevation decreased by 0.1 foot in monitoring well ASE-99A, the southernmost well monitored by Honeywell. While the general rise in water levels between September and December 2006 appears to support the trend of increasing water levels observed during the previous two quarters, an evaluation of the monthly water levels during fourth quarter 2006 shows that water levels across the UST area generally peaked in October (southern portion) or November (northern portion), followed by declines in November or December, respectively. This more recent declining trend is apparent in the hydrographs presented in Appendix B, which illustrate water-level elevations over time for each of Honeywell's UST monitoring wells.

Honeywell has been evaluating the recent rising water levels observed in monitoring wells located on the Honeywell facility and the northern portion of Sky Harbor International Airport. This evaluation is being conducted as part of Honeywell's UST remedial design process. The preliminary indications from this evaluation suggest that discharge into the Salt River from sources, including the City of Tempe and the City of Mesa, caused the baseline flow in the Salt River channel to increase from about 1 to 2 cubic feet per second to approximately 10 cubic feet per second. This change in baseline flow, coupled with a few substantial precipitation events during the 2006 summer monsoon season, affected water levels in the area near the Salt River, including the Honeywell facility and Sky Harbor International Airport property. Records from the United States Geological Survey indicate that the increase in baseline flow in the Salt River began at roughly the same time as the winter 2004/2005 storms, which caused the initial rise in the water table and the divergence from the regional water-level declines. Honeywell's preliminary evaluation also found that the discharges by the City of Tempe ceased in early September 2006, and those from the City of Mesa are planned to cease or significantly decrease by early 2007. The reduction or discontinuation of these discharges should cause the localized water table to return to the regional decline seen in other areas of the Salt River Basin.

Honeywell is also following the City of Tempe's plan to install a pipe and pump system to pump water out of the area upstream of Tempe Town Lake and discharge it back into the Salt River riverbed downstream of the Lake's west dam. According to newspaper reports, the system is expected to pump out approximately 15 to 20 million gallons of water a day and be installed and working by the end of March. The effect this water bypass will have on water levels at and near the Honeywell facility is unknown at this time, but the effect, if any, will be closely monitored and discussed in future status reports as information becomes available.

2.2.2 Benzene

Benzene was detected in groundwater throughout the eastern portion of the Honeywell facility and onto Sky Harbor International Airport property in December 2006, generally consistent with the historical areal extent of the free-product pool. The maximum

concentration of benzene in December 2006 occurred in monitoring well ASE-63A (3,700 µg/L), as shown on Figure 2-4. This concentration was lower than the previous quarter's maximum of 5,600 µg/L, which occurred in monitoring well ASE-115A, and lower than the concentration observed in this well in September 2006 (4,000 µg/L). Consistent with the data from September 2006 and prior sampling rounds, the highest benzene concentrations in December 2006 occurred in monitoring wells associated with the Area 2 fuel farm (ASE-63A, 3,700 µg/L; ASE-115A, 3,400 µg/L; ASE-39A, 900 µg/L; ASE-116A, 830 µg/L; ASE-38A, 750 µg/L). Concentrations of benzene exceeding the USEPA maximum contaminant level (MCL) of 5 µg/L were detected both at the Honeywell facility and beneath the northern portion of Sky Harbor International Airport in December 2006, as shown on Figure 2-4.

On average, the December 2006 benzene concentrations were slightly higher than those in September 2006, with increases observed in monitoring wells on both the Honeywell facility and Sky Harbor International Airport property. Significant increases were observed in monitoring wells ASE-89A (190 µg/L in September 2006 to 490 µg/L in December 2006) and ASE-90A (7.4 µg/L to 78 µg/L, respectively). Of the increases in benzene concentrations between September and December, only one monitoring well's (ASE-92A) benzene concentration increased from below the MCL in September (3.6 µg/L) to above the MCL in December (29 µg/L).

As illustrated on Figure 2-4, 13 monitoring wells contained detectable concentrations of benzene in December 2006 that were reported as non-detect in September 2006. The reason for this sudden increase in detections is that analytical services were provided by a new laboratory (Columbia Analytical Services) in December that used a lower minimum reporting level (MRL) than the previous laboratory. By decreasing the MRL for most monitoring wells from 5 µg/L to 1 µg/L, observed concentrations in the range of 1 to 5 µg/L now appear as detected concentrations. In addition, Columbia Analytical Services provided Honeywell with many estimated values below the MRL. These values are posted on the figures with their associated "J" flag but are not included within the outer contour. Of the 13 monitoring wells that were reported to contain benzene in December 2006 and not in September, the maximum concentration was 2.1 µg/L (monitoring well ASE-58A), and 10 of the 13 wells contained estimated concentrations below 1 µg/L, as shown on Figure 2-4.

Given the south-southwesterly direction of groundwater flow in the area, the extent of benzene concentrations exceeding the MCL is delineated in all directions. The upgradient (northeast) extent is delineated by monitoring wells ASE-59A, ASE-60A, and ASE-61A; the cross-gradient extent is delineated by monitoring wells PL-2101, ASE-66A, and ASE-54A to the northwest and by monitoring wells ASE-127A and BC-7A to the southeast, as illustrated on Figure 2-4. The downgradient (south-southwest) extent of benzene exceeding the MCL is delineated by monitoring wells ASE-58A, ASE-46A, PL-201A, ASE 62A, ASE-65A, ASE-126A, ASE-97A, ASE-95A, BC-8B, ASE-124A, ASE-96A, ASE-106A, ASE-102A, ASE-114A, and ASE-113A (Figure 2-4). Additional monitoring wells downgradient of the Honeywell facility did not contain detectable levels of benzene, as indicated on Figure 2-4.

2.2.3 Methyl Tert-butyl Ether

Consistent with previous sampling periods, MTBE was detected in groundwater throughout the eastern portion of the Honeywell facility and onto Sky Harbor International

Airport property in December 2006. The maximum concentration of MTBE in December 2006 occurred in monitoring well ASE-89A (1,100 µg/L), located just south of the Honeywell facility on Sky Harbor International Airport property, as shown on Figure 2-5. This concentration was slightly higher than the MTBE concentration of 1,000 µg/L detected in this monitoring well in September 2006, but is consistent with the historical MTBE concentrations in this area. The concentration of MTBE in monitoring well ASE-115A decreased from the maximum concentration of 1,100 µg/L in September 2006 to 650 µg/L in December. In December 2006, additional elevated (>200 µg/L) MTBE concentrations of 220 µg/L, 490 µg/L, and 400 µg/L were detected south of the Area 2 fuel farm in monitoring wells ASE-116A, ASE-39A, and ASE-63A, respectively. Monitoring wells ASE-90A, ASE-96A, and ASE-106A, located south-southwest of monitoring well ASE-89A on Sky Harbor International Airport property, also had elevated (>200 µg/L) MTBE concentrations of 240 µg/L, 220 µg/L, and 370 µg/L, respectively. Concentrations of MTBE exceeding its ADEQ-recommended Tier 1 remedial level of 94 µg/L – the remedial level that should be used when an existing drinking water receptor is not affected or is not potentially affected by MTBE (ADEQ, 2002) – were detected both on the Honeywell facility and beneath the northern portion of Sky Harbor International Airport, as shown on Figure 2-5.

Overall, the December 2006 sampling results indicated some shifting of the concentrations of MTBE, with the majority of concentrations increasing from the previous quarterly sampling event in September 2006. The area that exceeded the Tier 1 remedial level of 94 µg/L increased from the previous quarter, driven by the increase in MTBE concentrations in four monitoring wells (ASE-111A, 72 µg/L in September 2006 to 110J µg/L in December 2006; ASE-68A, 78 µg/L to 150 µg/L; ASE-95A, 70 µg/L to 160 µg/L; and ASE-96A, 85 µg/L to 220 µg/L). The MTBE concentration in monitoring well ASE-41A decreased from 150 µg/L to below the Tier 1 remedial level (59 µg/L) between September and December, shifting the contour to the east in that area.

In December 2006, MTBE was detected in 19 monitoring wells that did not have detectable concentrations of MTBE during the previous sampling round. Twelve of these detections were reported below 5 µg/L; these concentrations would not have been reported as detects in previous sampling periods because of the difference in the MRL in December 2006 versus September 2006, as discussed in Section 2.2.2. As a result of these detections, the contour illustrating the extent of detectable concentrations of MTBE expanded to the west, as shown on Figure 2-5. As with the reported benzene concentrations, the laboratory provided some estimated values of MTBE below the MRL. These values, associated with monitoring wells ASE-125A (0.19J µg/L), ASE-65A (0.22J µg/L), and PL-2101 (0.95J µg/L) are posted on the figures with their associated “J” flag but are not included within the outer contour (Figure 2-5).

Given the south-southwesterly direction of groundwater flow in the area, the extent of MTBE concentrations exceeding its Tier 1 remedial level is delineated in all directions. The upgradient (northeast) extent is delineated by monitoring wells ASE-51A, ASE-52A, ASE-53A, ASE-60A, and ASE-61A; the cross-gradient extent is delineated by monitoring wells ASE-66A, PL-2101, ASE-20A, ASE-56A, and ASE-57A to the northwest and by monitoring wells ASE-38A, ASE-37A, PL-101A, ASE-127A, BC-7A, and ASE-64A to the southeast (Figure 2-5). The downgradient (south-southwest) extent of MTBE exceeding its Tier 1 remedial level is delineated by monitoring wells ASE-41A, ASE-46A, ASE-62A,

ASE-55A, ASE-108A, PL-105A, ASE-91A, BC-8B, ASE-125A, ASE-124A, ASE-101A, ASE-102A, ASE-107A, and ASE-113A (Figure 2-5). Additional monitoring wells downgradient of the Honeywell facility did not contain detectable levels of MTBE, as indicated on Figure 2-5.

Based on the December 2006 data, the extent of the MTBE plume on Sky Harbor International Airport property was delineated to ADEQ's investigative level of 20 µg/L by monitoring wells ASE-97A, ASE-126A, ASE-125A, ASE-103A, ASE-100A, and ASE-124A to the west and by monitoring wells ASE-101A, ASE-128A, ASE-102A, ASE-110A, ASE-107A, ASE-114A, ASE-109A, ASE-123A, ASE-122A, and ASE-113A to the south (Figure 2-5).

2.2.4 Naphthalene

Naphthalene was detected in groundwater throughout the eastern portion of the Honeywell facility and onto Sky Harbor International Airport property, generally consistent with the extent of the free-product pool, although the extent of naphthalene was further west but not as far to the south. The maximum concentration of naphthalene in December 2006 occurred in monitoring well ASE-57A (470 µg/L), located in the parking lot north of Air Lane, as shown on Figure 2-6. The concentration of naphthalene in monitoring well ASE-56A increased from 250 µg/L in September 2006 to 450 µg/L in December 2006, thus increasing the area where the naphthalene concentrations exceeded the health-based guidance level of 280 µg/L. Other detectable concentrations of naphthalene above the laboratory MRL in December 2006 ranged from 2.6 µg/L (ASE-97A and BC-7A) to 220 µg/L (ASE-115A). In addition, Columbia Analytical Services estimated concentrations below 2 µg/L at nine locations scattered around the fringes of the naphthalene plume and on Sky Harbor International Airport property. These values are posted on the figures with their associated "J" flag, but are not included within the outer contour (Figure 2-6). As indicated on Figure 2-6, the area where the naphthalene concentration exceeded the health-based guidance level is limited and defined by the Honeywell UST monitoring well network.

2.2.5 Benzo(a)pyrene

An estimated benzo(a)pyrene concentration of 0.019J µg/L (below the reporting limit of 0.1 µg/L) was reported in the sample collected from monitoring well ASE-122A. Benzo(a)pyrene was not detected in any other monitoring well sampled in December 2006, as shown on Figure 2-7.

2.2.6 Total Benzene, Toluene, Ethylbenzene, and Xylenes

Total BTEX consists of the sum of concentrations of benzene, toluene, ethylbenzene, and total xylenes (*meta*, *para*, and *ortho* isomers). BTEX components were detected throughout the area associated with the CAP in December 2006, with a maximum total BTEX concentration of 4,374 µg/L in monitoring well ASE-63A, as shown on Figure 2-8. Total BTEX concentrations exceeding 500 µg/L were detected in eight monitoring wells located in the northern portion of the area associated with the CAP. These monitoring wells were located either adjacent to the Area 2 fuel farm (ASE-63A, ASE-115A, ASE-39A, ASE-116A, and ASE-38A), north of the Area 2 fuel farm (ASE-52A), or west of the Area 2 fuel farm (ASE-56A and ASE-57A), as shown in Figure 2-8. This is roughly the same concentration pattern as the previous quarter (September 2006), although concentrations exceeding 500 µg/L were located further north, but not as far south, as those detected in September 2006.

Detections of BTEX compounds at locations where these compounds had not been previously observed were primarily due to either the lower laboratory MRL, or estimated concentrations below the MRL, as indicated on Figure 2-8 (if at least one of the BTEX components was estimated by the laboratory and flagged “J,” the sum presented on Figure 2-8 was also flagged “J”). Twelve of the 26 monitoring wells located on Sky Harbor International Airport property did not contain detectable levels of BTEX components in December 2006, as shown on Figure 2-8.

2.2.7 Total Recoverable Petroleum Hydrocarbons

TRPH consists of the sum of compounds with the carbon range C_{10} to C_{32} . TRPH compounds were detected throughout the area associated with the CAP in December 2006, with a maximum TRPH concentration of 10,000 $\mu\text{g/L}$ in monitoring well ASE-55A, as shown on Figure 2-9. This was a decrease from the maximum TRPH concentration of 15,000 $\mu\text{g/L}$ detected in monitoring well ASE-57A in September 2006. The TRPH concentration in monitoring well ASE-57A decreased from 15,000 $\mu\text{g/L}$ in September 2006 to 3,766 $\mu\text{g/L}$ in December 2006, while the TRPH concentration in monitoring well ASE-55A increased from 3,500 $\mu\text{g/L}$ in September 2006 to 10,000 $\mu\text{g/L}$ in December 2006. TRPH concentrations equaling or exceeding 1,000 $\mu\text{g/L}$ were detected in eight monitoring wells in December 2006, with six of the eight wells located on the Honeywell facility. Unlike the BTEX components, the highest TRPH concentrations were not found in the area associated with the Area 2 fuel farm. Rather, the majority of the maximum concentrations were detected in monitoring wells located downgradient of a known historical fuel release from the original Area 2 fuel farm (southwest corner of Building 230), as shown on Figure 2-9.

Fifteen monitoring wells that did not contain detectable levels of TRPH compounds during the September 2006 sampling event had reported detections of TRPH during the December 2006 round. The maximum TRPH concentration observed in these 15 monitoring wells was 93 $\mu\text{g/L}$ (monitoring well ASE-106A), with an average concentration of 54 $\mu\text{g/L}$. The majority of these reported detections were a result of the laboratory estimating concentrations below their MRL, as shown on Figure 2-9 (estimated concentrations are flagged “J”). Because TRPH consists of two components (C_{10} - C_{22} and C_{22} - C_{32}), if either one of these components was given a “J” flag by the laboratory, the TRPH value posted on Figure 2-9 was also flagged. Laboratory data sheets, indicating if the concentrations from one or both of the TRPH components were estimated for each sample, can be found in Appendix C.

Seven of the 26 monitoring wells located on Sky Harbor International Airport property did not contain detectable levels of TRPH in December 2006.

2.2.8 Total Volatile Organic Compounds

Total VOCs consists of the sum of detected concentrations from the USEPA Method 8260 analyte list. VOCs were detected in all monitoring wells sampled in December 2006, with a maximum total VOC concentration of 5,032 $\mu\text{g/L}$ in monitoring well ASE-115A, as shown on Figure 2-10. Total VOC concentrations exceeding 750 $\mu\text{g/L}$ were detected in the same monitoring wells as those containing concentrations of total BTEX greater than 500 $\mu\text{g/L}$,

with the addition of monitoring well ASE-89A, which contained a total BTEX concentration of 495 µg/L (Figure 2-10).

Total VOC concentrations observed in December 2006 were higher in the majority of monitoring wells as compared to the September 2006 results. Included in this were 15 monitoring wells, located on the fringes of the area associated with the CAP, that did not contain detectable levels of VOCs in September 2006 but were reported to contain VOCs in December 2006. The maximum total VOC concentration observed in these 15 monitoring wells was 15.7J µg/L (monitoring well BC-7A), with an average concentration of 3.4 µg/L. Similar to the other compounds discussed in this report, the majority of these reported detections were a result of the laboratory estimating concentrations below their MRL, as shown on Figure 2-10. Because of the number of compounds that comprise the total VOC concentration, every result posted on Figure 2-10 is flagged “J,” meaning that at least one VOC concentration was estimated by the laboratory below their MRL. Laboratory data sheets indicating which concentrations for a particular sample were estimated can be found in Appendix C.

2.2.9 Total Non-fuel Volatile Organic Compounds

Total non-fuel VOCs consists of the sum of detected concentrations from a list of analytes prepared by a CH2M HILL chemist and are shown in Table 2-3. The analytes listed in Table 2-3 represent compounds not related to releases of petroleum hydrocarbons (e.g., jet fuel). Non-fuel VOCs were detected in all monitoring wells sampled in December 2006 but at much lower concentrations than total VOCs. This is consistent with the location of the sampled monitoring wells, which are in an area primarily contaminated with fuel-related compounds. The maximum total non-fuel VOC concentration in December 2006 was 189 µg/L in monitoring well ASE-91A, as shown on Figure 2-11. This concentration represented an increase from the September 2006 maximum total non-fuel VOC concentration of 138 µg/L, also detected in monitoring well ASE-91A. Three other monitoring wells sampled during December 2006, all located on the Honeywell facility, contained a total non-fuel VOC concentration exceeding 100 µg/L (ASE-46A, 120 µg/L; PL-105A, 118 µg/L; ASE-56A, 109 µg/L). Monitoring well ASE-115A, which contained the highest concentration of total VOCs, only contained a total non-fuel VOC concentration of 7.35J µg/L (i.e., the majority of the detectable compounds were fuel-related).

Similar to total VOCs, total non-fuel VOC concentrations observed in December 2006 were higher in the majority of monitoring wells as compared to the September 2006 results. Included in this were 21 monitoring wells, located on the fringes of the area associated with the CAP, that did not contain detectable levels of non-fuel VOCs in September 2006 but were reported to contain non-fuel VOCs in December 2006. The maximum total non-fuel VOC concentration observed in these 21 monitoring wells was 8.2J µg/L (monitoring well BC-7A), with an average concentration of 1.8 µg/L. As with the other compounds discussed in this report, the majority of these reported detections were a result of the laboratory estimating concentrations below their MRL, as shown on Figure 2-11. Because of the number of compounds that comprise the total non-fuel VOC concentration, every result posted on Figure 2-11 is flagged “J,” meaning that at least one non-fuel VOC concentration was estimated by the laboratory below their MRL. Laboratory data sheets indicating which concentrations for a particular sample were estimated can be found in Appendix C.

2.2.10 Total Trichloroethylene

Total TCE consists of the sum of detected concentrations of TCE and its daughter products, cis-1,2-dichloroethene and vinyl chloride. Calculating values of total TCE allows for an evaluation of the distribution of compounds related to releases of TCE, where the parent compound (TCE) may have degraded to its daughter products. In December 2006, TCE and related compounds were detected at relatively low concentrations throughout the area associated with the CAP on the Honeywell facility, with low ($<8 \mu\text{g/L}$) detections observed in monitoring wells located on Sky Harbor International Airport property, as shown on Figure 2-12. The maximum total TCE concentration in December 2006 was observed in monitoring well ASE-68A ($50 \mu\text{g/L}$), located adjacent to Buildings 202, 203, and 204 in the northern portion of the area associated with the CAP on the Honeywell facility (Figure 2-12). Total TCE concentrations exceeding $25 \mu\text{g/L}$ were only detected in two monitoring wells: ASE-68A ($50 \mu\text{g/L}$) and ASE-60A ($32 \mu\text{g/L}$). No total TCE concentration exceeded $10 \mu\text{g/L}$ on Sky Harbor International Airport property (maximum of $7.6 \mu\text{g/L}$ in monitoring well BC-8B), and six of the 26 monitoring wells located on Sky Harbor International Airport property did not contain detectable levels of TCE-related compounds.

Twenty-five monitoring wells, 16 of which are located on Sky Harbor International Airport property, were reported to contain total TCE concentrations in December 2006 that did not have detectable concentrations in September 2006. The maximum total TCE concentration observed in these 25 monitoring wells was $16.1 \mu\text{g/L}$ (monitoring well ASE-57A), with an average concentration of $1.9 \mu\text{g/L}$. The majority of these reported detections, as well as most of the other reported detections, were flagged “J” by the laboratory, indicating the concentration was estimated below the MRL. Laboratory data sheets indicating which concentrations for a particular sample were estimated can be found in Appendix C.

2.2.11 Total 1,1,1-trichloroethane

Total 1,1,1-TCA consists of the sum of detected concentrations of 1,1,1-TCA and its daughter products, 1,1-dichloroethane, 1,1-dichloroethene, and chloroethane. Similar to total TCE, calculating values of total 1,1,1-TCA allows for an evaluation of the distribution of compounds related to releases of 1,1,1-TCA where the parent compound (1,1,1-TCA) may have degraded to its daughter products. Compounds related to 1,1,1-TCA were detected in monitoring wells located throughout the area associated with the CAP in December 2006, with a maximum total 1,1,1-TCA concentration of $166 \mu\text{g/L}$ in monitoring well ASE-91A, as shown in Figure 2-13. In addition to monitoring well ASE-91A, total 1,1,1-TCA concentrations exceeding $50 \mu\text{g/L}$ were only detected in three other monitoring wells: PL-105A ($96 \mu\text{g/L}$), ASE-46A ($94 \mu\text{g/L}$), and ASE-56A ($89 \mu\text{g/L}$). Only four of the 26 monitoring wells located on Sky Harbor International Airport property did not contain detectable levels of 1,1,1-TCA-related compounds, as shown on Figure 2-13.

Similar to total TCE, 28 monitoring wells, 13 of which are located on Sky Harbor International Airport property, were reported to contain total 1,1,1-TCA concentrations in December 2006 that did not have detectable concentrations in September 2006. The maximum total 1,1,1-TCA concentration observed in these 28 monitoring wells was $3.1 \mu\text{g/L}$ (monitoring well ASE-61A), with an average concentration of $1.1 \mu\text{g/L}$. All of these reported detections, as well as most of the other reported detections, were flagged “J” by the laboratory, indicating that the concentration was estimated below the MRL (Figure 2-13).

Laboratory data sheets indicating which concentrations for a particular sample were estimated can be found in Appendix C.

SECTION 3.0

3.0 Site Remediation Activities

This section summarizes the scope and results of site remediation activities conducted during the fourth quarter of 2006.

3.1 Free-product Recovery

During fourth quarter 2006, Honeywell continued to manually recover free product biweekly from monitoring wells with free-product thicknesses greater than 0.1 foot. A portable free-product pump, the *Spill Buddy Pro*™, from Clean Earth Technology, was used to manually recover the free product.

Free product was also recovered from monitoring well ASE-67A using an automated free-product skimming pump, the *Magnum Spill Buster*™, from Clean Earth Technology, which was installed on December 24, 2005. The pump was installed in monitoring well ASE-67A in conformance with CAP free-product monitoring and recovery requirements.

Approximately 23 gallons of free product, including 20.7 gallons from monitoring well ASE-67A, were recovered during fourth quarter 2006. This compares to the approximate 23 gallons recovered during third quarter 2006, 62 gallons recovered during second quarter 2006, and 22 gallons recovered during first quarter 2006. Approximately 7,188 gallons have been recovered using skimming technologies since free-product recovery efforts began on June 1, 1999. Table 3-1 summarizes the amount of free product recovered at each monitoring well that has historically had measurable free product.

3.2 Bioenhanced Soil-vapor Extraction

3.2.1 BSVE Air Permitting

On October 13, 2006, Honeywell submitted a revision to the BSVE air permit application, as requested by the Maricopa County Air Quality Department (MCAQD). In anticipation of a public hearing in 2007, MCAQD hosted an informal public meeting on October 24, 2006 to solicit input from concerned citizens on the air permit. Representatives from MCAQD's permitting consultant (Kleinfelder), Honeywell, and CH2M HILL presented at the public meeting. The revised BSVE air permit application was determined to be administratively complete on October 26, 2006. On December 27, 2006, MCAQD provided Honeywell with a draft version of the proposed BSVE air permit for review and comment prior to issuing the draft permit for public review. Based on available information received from MCAQD and Kleinfelder, the approximate timeline for issuing a final permit is roughly early third quarter 2007. This includes time for:

- Finalization of the draft permit.
- Public notice.
- Public hearing and response to comments.

- Revision of the draft permit.
- USEPA review of the permit.

Upon issuance of the final air permit, Honeywell will commence construction of the BSVE system piping at the Honeywell facility and initiate the process for procuring air treatment equipment. Honeywell will continue to work with MCAQD and Kleinfelder and provide the status of the air permit to ADEQ in future quarterly status reports.

3.2.2 BSVE Field Activities

Honeywell continued to monitor 13 Sky Harbor International Airport subsurface utility vaults monthly for O₂, CO₂, methane, and %LEL. Monthly monitoring during fourth quarter 2006 occurred on October 10, November 9, and December 15, 2006. Results from these three monitoring events indicated that methane concentrations and %LEL in Sky Harbor International Airport subsurface utility vaults continue to be non-detect. On December 15, 2006 the City of Phoenix and Honeywell agreed that beginning in first quarter 2007, subsurface utility vault monitoring for O₂, CO₂, methane, and %LEL will be conducted quarterly for the Sky Harbor International Airport subsurface utility vaults. The next anticipated field measurement sampling event for O₂, CO₂, methane, and %LEL at the Sky Harbor International Airport subsurface utility vaults is anticipated to be in February 2007. Table 3-2 presents the fourth quarter 2006 subsurface utility vault air field parameter measurements.

Honeywell conducted the remaining helium tracer/well dilution tests on October 5, October 10, October 18, November 14, and November 15, 2006. The results of the fourth quarter 2006 helium tracer/well dilution tests are presented in Table 3-3. The analytical laboratory report is contained in Appendix C.

A long-term soil-vapor test was conducted at vapor monitoring well P-17-M on November 27 and 28, 2006 to monitor soil-vapor concentrations during an extended period of rising barometric pressure. Barometric pressure was monitored hourly, and the soil vapor at P-17-M was sampled shortly before, during, and after a period of sustained rising barometric pressure. Using a GEM 2000 vapor meter, soil-vapor was monitored for O₂, CO₂, methane, and %LEL. No helium injection occurred during the long-term test at P-17-M, and no helium analysis was performed on soil-vapor samples. Table 3-4 presents the data collected during the P-17-M long-term test.

Both the well dilution data and the P-17-M long-term soil-vapor test data was evaluated and presented in a draft technical memorandum, which was submitted to the City of Phoenix on December 18, 2006 for review and comment. This technical memorandum will be submitted to ADEQ during first quarter 2007, once the City of Phoenix's comments have been addressed.

3.2.3 Vapor Monitoring Program

Figure 3-1 illustrates the monitoring well and subsurface utility vault locations. Since the *Final Field Sampling Plan for PSHIA Subsurface Utility Vaults for Baseline Air Sampling Using EPA Method TO-15* (CH2M HILL, 2006c) was prepared, there has yet to be a 30-day period between the time stormwater was removed from the vaults and the next precipitation event; therefore, the Field Sampling Plan was not implemented during the fourth quarter 2006. On

December 22, 2006, the City of Phoenix asked that Honeywell schedule the vault sampling for vaults that did not have standing water or were not damp from previous precipitation events during the week of January 15, 2007.

On November 8, 2006 at a meeting with the City of Phoenix, Honeywell presented the Draft Interim Soil Vapor Monitoring Plan for vapor monitoring to be implemented prior to the construction and startup of the BSVE system. This plan proposes the installation of additional soil-vapor monitoring wells, additional sub-slab monitoring points, and subsurface utility vault air monitoring. It is anticipated that the City of Phoenix will provide comments to this plan in January 2007, and the Final Interim Soil Vapor Monitoring Work Plan will be submitted to ADEQ in late first quarter 2007 or early second quarter 2007.

4.0 Summary of Planned Work

The following activities are planned for the period from January 2007 through March 2007:

- Conduct first quarter groundwater sampling event for 2007 (tentatively scheduled for March 12 through March 23, 2007), monthly water-level measurements, and biweekly and monthly free-product monitoring and recovery in accordance with the *LUST Field Sampling Plan – Groundwater Sampling, Free Product Monitoring and Recovery Plan* (CH2M HILL, 2005a).
- Continue to work with Maricopa County on the progress of the BSVE air permit and submit any requested supplemental material in a timely manner.
- Extraction well tests will be conducted in February and March (tentatively scheduled for February 19 through March 2, 2007). The field work will consist of multiple flow versus vacuum tests conducted at 26 BSVE monitoring wells on both the Honeywell facility and Sky Harbor International Airport property.
- Conduct field parameter monitoring from select Sky Harbor International Airport subsurface utility vaults in March 2007.
- Conduct USEPA TO-15 sampling from select Sky Harbor International Airport subsurface utility vaults beginning the week of January 15, 2007.
- Honeywell and Maricopa County will be giving a joint presentation regarding the status of the BSVE air permit to the Sky Harbor Neighborhood Association on January 9, 2007.
- Address internal comments on the BSVE design drawings and specifications for the Honeywell facility and begin assembling a design package for submittal to the City of Phoenix's Design Services Department (DSD) and Aviation Department's Tenant Improvement (TI) program in late second quarter 2007 or early third quarter 2007.

SECTION 5.0

5.0 Summary of Problems and Delays

Sky Harbor International Airport subsurface utility vault air sampling for VOCs using USEPA Method TO-15 was postponed due to weather delays. Honeywell continues to monitor precipitation events so that vault air sampling can occur as soon as the weather permits.

Access issues related to increased holiday traffic at Sky Harbor International Airport prevented Honeywell from monitoring/recovering free product from monitoring well ASE-107A during a few biweekly events in the fourth quarter 2006. Honeywell will continue to maintain biweekly monitoring/recovery from monitoring well ASE-107A as Airport access allows and free-product thicknesses warrant.

SECTION 6.0

6.0 Status of Deliverables

The following is a list of deliverables submitted through third quarter 2006 since the *Site Characterization Report* dated August 23, 2002:

- On November 29, 2006, CH2M HILL, on behalf of Honeywell, submitted to ADEQ the *Fourth Quarter Status Report for 2006, Honeywell 34th Street Facility, Facility ID No. 0-002227, LUST File Nos. 0393.02-.10, .15.*
- On November 29, 2006, CH2M HILL, on behalf of Honeywell, submitted to ADEQ the *Field Sampling Plan for PSHIA Subsurface Utility Vaults for Baseline Air Sampling Using EPA Method TO-15, Honeywell 34th Street Facility, Facility ID No. 0-002227, LUST File Nos. 0393.02-.10, .15.*
- On October 20, 2006, CH2M HILL, on behalf of Honeywell, submitted to ADEQ the *Air Injection Pilot Test Report Honeywell 34th Street Facility, Facility ID No. 0-002227, LUST File Nos. 0393.02-.10, .15.*
- On September 15, 2006, Honeywell submitted a letter to ADEQ proposing to modify the scheduled submittal dates of quarterly status reports such that future reports are submitted to ADEQ no later than 60 days following the end of each calendar quarter.
- On August 3, 2006, Honeywell submitted to ADEQ a letter “RE: *Modification to Final Air Injection Pilot Test Work Plan,*” dated October 4, 2005, that explained the method for conducting a short-term pilot test and the plan for implementation on Sky Harbor International Airport Property.
- On July 20, 2006, Honeywell submitted to ADEQ a letter that explained the status of the pilot test, Honeywell’s agreement with the COP to evaluate the BSVE design, assuming 8 percent oxygen utilization rate, and the status of the air permit applications.
- On July 14, 2006, CH2M HILL, on behalf of Honeywell, submitted to ADEQ the *Second Quarter Status Report for 2006, Honeywell 34th Street Facility, Facility ID No. 0-002227, LUST File Nos. 0393.02-.10, .15.*
- On April 14, 2006, CH2M HILL, on behalf of Honeywell, submitted to ADEQ the *First Quarter Status Report for 2006, Honeywell 34th Street Facility, Facility ID No. 0-002227, LUST File Nos. 0393.02-.10, .15.*
- On March 2, 2006, Honeywell submitted to ADEQ the *Proposed Modification to Honeywell’s Groundwater Sampling, Free Product Monitoring and Recovery Plan – Total Recoverable Petroleum Hydrocarbons Analytical Method, LUST File #0393.02-.10, .15, Facility ID #0-002227.*
- On January 16, 2006, CH2M HILL, on behalf of Honeywell, submitted to ADEQ the *Quarterly Status Report, Quarter 1 (October 17, 2005 to January 15, 2006), Honeywell 34th Street Facility, Facility ID No. 0-002227, LUST File No. 0393.02-.10, .15.*

- On January 13, 2006, CH2M HILL, on behalf of Honeywell, submitted to ADEQ the *Soil Vapor Field Sampling Report, Honeywell 34th Street Facility, 111 S. 34th Street, Phoenix, Arizona*.
- On December 9, 2005, CH2M HILL, on behalf of Honeywell, submitted to ADEQ the *LUST Field Sampling Plan – Groundwater Sampling, Free Product Monitoring and Recovery Plan*.
- On December 7, 2005, CH2M HILL, on behalf of Honeywell, submitted to Maricopa County (1) the Revised Air Permit Application for BSVE and (2) the Air Permitting Evaluation for Air Injection Pilot Study. On December 19, 2005, copies of the Revised Air Permit Application for BSVE were sent to ADEQ, COP Aviation Department, and USEPA.
- On November 17, 2005, CH2M HILL, on behalf of Honeywell, submitted to ADEQ's LUST Enforcement Unit, a letter that explained the reasons for the differences in the timeline for "Startup and Initial Testing" presented in the revised schedule (Revised Figure 32, attachment to the November 2, 2005 letter) and the original schedule in the CAP.
- On November 2, 2005, CH2M HILL, on behalf of Honeywell, submitted to ADEQ's LUST Enforcement Unit, a letter that provided a status update on several aspects of the CAP implementation and on the conditions set forth in ADEQ's October 7, 2005 CAP approval letter. Attachments to this letter include (1) revised Figure 32 – Remedial Alternative 3 Implementation Schedule, (2) free-product thickness map, October 2005, (3) list of site characterization activities since submittal of the *Site Characterization Report*, (4) updated site characterization figures and tables, (5) boring logs, and (6) a CD containing analytical and monitoring well measurement data.
- On October 20, 2005, CH2M HILL, on behalf of Honeywell, submitted to ADEQ the *Work Plan for Additional Characterization of LUST File #0393.15 – JP-4 Fuel Pipeline Release at the Honeywell 34th Street Facility*.
- On October 4, 2005, Honeywell submitted to ADEQ the *Final Air Injection Pilot Test Work Plan, Honeywell 34th Street Facility and Phoenix Sky Harbor International Airport North Airfield, Phoenix, Arizona*.
- On September 19, 2005, CH2M HILL, on behalf of Honeywell, submitted to ADEQ the *Quality Assurance Project Plan, Honeywell 34th Street Facility*.
- On September 7, 2005, CH2M HILL, on behalf of Honeywell, submitted to ADEQ the *Work Plan for Phase III Monitoring Well Installation on Honeywell Leasehold and Phoenix Sky Harbor International Airport, Honeywell 34th Street Facility*.
- On August 22, 2005, CH2M HILL, on behalf of Honeywell, submitted to ADEQ the *Work Plan for Installation of Multi Level Soil Vapor Monitoring Wells and Shallow/Sub-slab Soil Vapor Monitoring Points, Honeywell 34th Street Facility*.
- On July 11, 2005, CH2M HILL, on behalf of Honeywell, submitted to ADEQ the *Soil Vapor Baseline Sampling and Analysis Plan, Honeywell 34th Street Facility*.

- On July 1, 2005, Honeywell submitted to ADEQ's Tank Programs Division the *Free Product Report – LUST File #0393.15 – JP-4 Fuel Line from UST #203*.
- On June 13, 2005, Honeywell submitted to ADEQ's Tank Programs Division the *Initial Site Characterization Report – LUST File #0393.15 – JP-4 Fuel Line from UST #203*.
- On March 29, 2005, Honeywell submitted to ADEQ's Tank Programs Division the *14-day Report – LUST File #0393.15 – JP-4 Fuel Line from UST #203*.
- On November 15, 2004, CH2M HILL, on behalf of Honeywell, submitted to ADEQ's UST Corrective Action Section responses to ADEQ's September 30, 2004 comments on Honeywell's July 30, 2004 *Revised Corrective Action Plan*. The corresponding replacement pages of the revised text, tables, and figures of the Revised CAP were also submitted.
- On July 30, 2004, CH2M HILL, on behalf of Honeywell, submitted the *Revised Corrective Action Plan* to ADEQ's UST Corrective Action Section. The Revised CAP supersedes and replaces the original July 18, 2003, CAP.
- On May 27, 2004, Honeywell submitted a three-ring binder to ADEQ's UST Corrective Action Section titled "Supporting Material, UST Informal Settlement Conference, May 28, 2004."
- On May 7, 2003, CH2M HILL, on behalf of Honeywell, submitted to ADEQ a technical memorandum titled "Summary of Results from the Bioventing/SVE Pilot Study February 24 through March 1, 2003."
- On May 1, 2003, Honeywell submitted to ADEQ's UST Corrective Action Section the *Free-product Report, Honeywell International Inc., 34th Street Facility, Phoenix, Arizona, Facility ID# 0-002227, LUST File Nos. 0393.02 -.10*.
- On December 18, 2002, Honeywell submitted to ADEQ's UST Corrective Action Section *Supplemental Site Characterization Information for the Honeywell International Inc., 34th Street Facility, Phoenix, Arizona, Facility ID# 0-002227, LUST File Nos. 0393.02 -.10*.
- On August 23, 2002, CH2M HILL, on behalf of Honeywell, submitted the *Site Characterization Report* to ADEQ's UST Corrective Action Section.

The following are deliverables planned for submittal:

- Honeywell is in the process of finalizing the *Evaluation of Well Dilution Effects, Honeywell 34th Street Facility and Phoenix Sky Harbor International Airport, Phoenix, Arizona* technical memorandum and will submit to ADEQ in the first quarter 2007.
- Honeywell is in the process of finalizing the *Biologically Enhanced SVE with Product Recovery System Design Basis Report Honeywell International 34th Street Facility Phoenix, Arizona* and will submit the Design Basis Report to ADEQ in the first quarter 2007. Honeywell provided the draft Design Basis Report to the City of Phoenix on December 6, 2006. Honeywell received the City of Phoenix's comments on January 4, 2007.
- Honeywell is in the process of finalizing the Interim Soil Vapor Monitoring Plan for soil-vapor monitoring to be implemented prior to the construction and startup of the BSVE system and submit to ADEQ late first quarter 2007 or early second quarter 2007.

- Honeywell is preparing the *Biologically Enhanced SVE with Product Recovery System Design Basis Report North Airfield Project Design Basis Report Honeywell International 34th Street Facility Phoenix, Arizona* and plans to submit to the City of Phoenix in February 2007 with subsequent submittal to ADEQ in the second quarter 2007.
- Honeywell is in the process of completing the design of the BSVE system on the Honeywell facility in order to submit for DSD and TI review. Honeywell is coordinating with DSD and TI staff regarding the contents of the design package and anticipates submittal of this package late first quarter 2007 or early second quarter 2007. Once DSD and TI comments have been incorporated, the design will be finalized and submitted to contractors for bidding. ADEQ will be provided with a copy of the final design package during the third quarter 2007.
- *First Quarter Status Report for 2007, Honeywell 34th Street Facility, Facility ID No. 0-002227, LUST File Nos. 0393.02-.10, .15-.17.* This report is currently scheduled for submittal to ADEQ on May 30, 2007.

SECTION 7.0

7.0 References

- Arizona Department of Environmental Quality (ADEQ). 2002. *Release Reporting and Corrective Action Guidance*. Revision 0. State of Arizona Department of Environmental Quality Underground Storage Tank Program. August 20.
- _____. 2005a. Letter from Mr. Mark W. Lucas and Mr. Joseph Karl Drosendahl to Ms. Troy Meyer, Honeywell. "Corrective Action Plan Final Approval, LUST File No. #0393.02-.10, .15, Facility ID #0-002227; Honeywell, 111 South 34th Street, Phoenix, Arizona." October 7.
- _____. 2005b. Letter from Mr. Mark W. Lucas and Mr. Joseph Karl Drosendahl to Ms. Troy Meyer, Honeywell. "Corrective Action Plan Modification Approval, LUST File #0393.02-.10, .15, Facility ID #0-002227; Honeywell, 111 South 34th Street, Phoenix, Arizona." December 20.
- _____. 2006a. Letter from Mr. Mark W. Lucas and Mr. Michael J. Traubert to Mr. Dan Lauletta, Honeywell. "Notification of Case File Information for Release #0393.17; Characterization of Releases #0393.16 & .17, LUST File #0393.16, LUST File #0393.17, Facility ID #0-002227; Honeywell, 111 South 34th Street, Phoenix, Arizona." November 17.
- _____. 2006b. Letter from Mr. Mark W. Lucas and Mr. Joseph Karl Drosendahl to Ms. Troy Meyer, Honeywell. "Corrective Action Plan Modification Approval, LUST File No. #0393.02-.10, .15, Facility ID #0-002227; Honeywell, 111 South 34th Street, Phoenix, Arizona." March 7.
- _____. 2006c. Letter from Mr. Mark W. Lucas and Mr. Michael J. Traubert to Ms. Troy Meyer, Honeywell. "Corrective Action Plan Modification Approval, LUST File No. #0393.02-.10, .15, Facility ID #0-002227; Honeywell, 111 South 34th Street, Phoenix, Arizona." September 28.
- CH2M HILL. 2004a. *Revised Corrective Action Plan, Honeywell 34th Street Facility, Phoenix, Arizona. ADEQ Facility No 0-002227, LUST File Nos. 0393.02 through 0393.10*. July.
- _____. 2004b. Letter from Thomas J. Mooney, CH2M HILL, on behalf of Honeywell, to Mr. Mark Lucas, ADEQ. "Response to ADEQ comments dated September 30, 2004 on Honeywell's Revised Corrective Action Plan, dated July 30, 2004, Honeywell 34th Street Facility, Phoenix, Arizona." November 15.
- _____. 2005a. *LUST Field Sampling Plan – Groundwater Sampling, Free-product Monitoring and Recovery Plan, Honeywell 34th Street Facility, Facility ID No. 0-002227, LUST File No. 0393.02-.10, .15*. December 8.
- _____. 2005b. *Site Characterization Report Update – October 2005*. November 2.

- _____. 2006a. *First Quarter Status Report for 2006, Honeywell 34th Street Facility, Facility ID No. 0-002227, LUST File Nos. 0393.02-.10, .15.* April 14.
- _____. 2006b. *Third Quarter Status Report for 2006, Honeywell 34th Street Facility, Facility ID No. 0-002227, LUST File Nos. 0393.02-.10, .15.* November 29.
- _____. 2006c. *Final Field Sampling Plan for PSHIA Subsurface Utility Vaults for Baseline Air Sampling Using EPA Method TO-15.* July.

TABLE 2-1

Summary of Free-product Thickness Measurements, Fourth Quarter 2006
Fourth Quarter Status Report, Honeywell 34th Street Facility, Phoenix, Arizona

Well	Free-product Thickness (feet)							
	10/05	10/10	11/01	11/16	11/29	12/06	12/15	12/21
ASE-19A	0	NM	0	NM	NM	0	NM	NM
ASE-20A	NM	NM	0	NM	NM	0	NM	NM
ASE-37A	0	NM	0	NM	NM	0	NM	NM
ASE-38A	0	NM	0	NM	NM	0	NM	NM
ASE-39A	0	NM	0	NM	NM	0	NM	NM
ASE-41A	0	NM	0	NM	NM	0	NM	NM
ASE-51A	0.01	NM	0.02	NM	NM	0.04	NM	NM
ASE-52A	0	NM	0	NM	NM	0	NM	NM
ASE-53A	0	NM	0	NM	NM	0	NM	NM
ASE-55A	0	NM	0	NM	NM	0	NM	NM
ASE-56A	0	NM	0	NM	NM	0	NM	NM
ASE-57A	0	NM	0	NM	NM	0	NM	NM
ASE-63A	0	NM	0	NM	NM	0	NM	NM
ASE-64A	0	NM	0	NM	NM	0	NM	NM
ASE-67A	0.35	0.18	NM	NM	0.3	0.23*	0.26	0.1
ASE-68A	0	NM	0	NM	NM	0	NM	NM
ASE-89A	0.09	NM	0.04	NM	NM	0.09	NM	NM
ASE-90A	0.01	NM	0.01	NM	NM	0.01	NM	NM
ASE-91A	0.02	NM	0.02	NM	NM	0.02	NM	NM
ASE-92A	0	NM	0	NM	NM	0	NM	NM
ASE-96A	0	NM	0	NM	NM	0	NM	NM
ASE-102A	0.06	NM	0.06	NM	NM	0.06	NM	NM
ASE-107A	0.15	NM	0.69	0.38	NM	0.41	0.46**	NM
ASE-111A	0.02	NM	0.05	NM	NM	0	NM	NM
ASE-113A	0	NM	0	NM	NM	0	NM	NM
ASE-114A	0	NM	0	NM	NM	0	NM	NM
ASE-115A	0.04	NM	0.03	NM	NM	0.02	NM	NM
PL-101A	0	NM	0	NM	NM	0	NM	NM
PL-105A	0	NM	NM	NM	NM	0	NM	NM
PL-2101	0	NM	0	NM	NM	0	NM	NM

Notes:

This table includes all wells that have historically had measurable free product. Monitoring wells with a free-product thickness less than 0.1 foot are measured monthly. Monitoring wells with a free-product thickness greater than 0.1 foot are measured biweekly.

NM — Free product thickness not measured.

*Measurement collected on December 4, 2006.

**Measurement collected on December 13, 2006.

TABLE 2-2

Comparison between September 2006 and December 2006 Water Level Elevations
Fourth Quarter Status Report, Honeywell 34th Street Facility, Phoenix, Arizona

Groundwater Elevation			
Location ID	9/06/2006 (ft amsl)	12/06/2006 (ft amsl)	Difference (feet)
ASE-19A	1053.19	1054.52	1.33
ASE-20A	1051.69	1052.97	1.28
ASE-37A	1056.27	1057.76	1.49
ASE-38A	1056.65	1058.14	1.49
ASE-39A	1055.90	1057.39	1.49
ASE-41A	1050.59	1051.95	1.36
ASE-46A	1049.45	1050.62	1.17
ASE-51A	1054.05	1055.49	1.44
ASE-52A	1056.07	1057.52	1.45
ASE-53A	1056.59	1058.08	1.49
ASE-54A	1051.35	1052.50	1.15
ASE-55A	1046.73	1048.30	1.57
ASE-56A	1050.64	1051.76	1.12
ASE-57A	1051.79	1053.16	1.37
ASE-58A	1049.58	1050.71	1.13
ASE-59A	1056.50	1057.94	1.44
ASE-60A	1057.49	1058.92	1.43
ASE-61A	1057.95	1059.41	1.46
ASE-62A	1047.39	1048.42	1.03
ASE-63A	1054.62	1056.16	1.54
ASE-64A	1049.41	1050.87	1.46
ASE-65A	1035.16	1036.13	0.97
ASE-66A	1052.46	1053.69	1.23
ASE-67A	1056.12	NM	NA
ASE-68A	1051.93	1053.26	1.33
ASE-89A	1048.08	1049.39	1.31
ASE-90A	1047.05	1047.95	0.90
ASE-91A	1048.08	1049.29	1.21
ASE-92A	1048.48	1049.76	1.28
ASE-95A	1037.00	1037.52	0.52
ASE-96A	1046.20	1046.88	0.68
ASE-97A	1036.76	1037.58	0.82
ASE-98A	1041.39	1041.40	0.01
ASE-99A	1043.34	1043.24	-0.10
ASE-100A	1037.89	1038.29	0.40
ASE-101A	1041.34	1041.62	0.28
ASE-102A	1044.79	1045.17	0.38
ASE-103A	1036.07	1036.46	0.39
ASE-105A	1048.17	1049.61	1.44

TABLE 2-2

Comparison between September 2006 and December 2006 Water Level Elevations
Fourth Quarter Status Report, Honeywell 34th Street Facility, Phoenix, Arizona

Location ID	Groundwater Elevation		Difference (feet)
	9/06/2006 (ft amsl)	12/06/2006 (ft amsl)	
ASE-106A	1046.11	1046.71	0.60
ASE-107A	1047.40	1048.09	0.69
ASE-108A	1047.13	1048.20	1.07
ASE-109A	1048.68	1049.14	0.46
ASE-110A	1047.12	1047.26	0.14
ASE-111A	1056.84	1058.29	1.45
ASE-112A	1048.18	1049.72	1.54
ASE-113A	1048.70	1049.53	0.83
ASE-114A	1047.95	1048.68	0.73
ASE-115A	1056.95	1058.39	1.44
ASE-116A	1056.65	1058.09	1.44
ASE-122A	1049.68	1050.42	0.74
ASE-123A	1050.10	1050.69	0.59
ASE-124A	1037.46	1037.95	0.49
ASE-125A	1033.37	1033.95	0.58
ASE-126A	1035.13	1035.97	0.84
ASE-127A	1054.25	1055.93	1.68
ASE-128A	1041.33	1041.52	0.19
BC-7A	1055.23	1056.54	1.31
BC-8B	1046.66	1047.64	0.98
PL-101A	1056.74	1058.16	1.42
PL-105A	1047.37	1048.49	1.12
PL-201A	1048.58	1049.71	1.13
PL-2101	1051.67	1052.86	1.19
PL-2102	1051.58	1052.69	1.11

Notes:

Difference column calculated by subtracting September 2006 water level elevation from December 2006 water level elevation. Positive result indicates higher water level elevation in December signifying a rising water table over the reporting period.

ft amsl-Feet above mean sea level.

NM-Water level elevation not measured.

NA-Not applicable; difference cannot be calculated.

TABLE 2-3
Non-fuel Volatile Organic Compound List
Fourth Quarter Status Report, Honeywell 34th Street Facility, Phoenix, Arizona

Soil Vapor	Groundwater	Soil
1,1,1-Trichloroethane	1,1,1,2-Tetrachloroethane	1,1,1,2-Tetrachloroethane
1,1,2,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,1-Trichloroethane
1,1,2-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane
1,1,2-Trichlorotrifluoroethane	1,1,2-Trichloroethane	1,1,2-Trichloroethane
1,1-Dichloroethane	1,1,2-Trichlorotrifluoroethane	1,1,2-Trichlorotrifluoroethane
1,1-Dichloroethene	1,1-Dichloroethane	1,1-Dichloroethane
1,2-Dichlorobenzene	1,1-Dichloroethene	1,1-Dichloroethene
1,2-Dichloropropane	1,1-Dichloropropene	1,1-Dichloropropene
1,2-Dichlorotetrafluoroethane	1,2,3-Trichloropropane	1,2,3-Trichloropropane
1,3-Butadiene	1,2-Dibromo-3-Chloropropane	1,2-Dibromo-3-Chloropropane
1,3-Dichlorobenzene	1,2-Dichlorobenzene	1,2-Dichlorobenzene
1,4-Dichlorobenzene	1,2-Dichloropropane	1,2-Dichloropropane
2-Butanone	1,3-Dichlorobenzene	1,3-Dichlorobenzene
2-Hexanone	1,3-Dichloropropane	1,3-Dichloropropane
4-Methyl-2-Pentanone	1,4-Dichlorobenzene	1,4-Dichlorobenzene
Acetone	2,2-Dichloropropane	2,2-Dichloropropane
Allyl Chloride	2-Butanone	2-Butanone
Bromodichloromethane	2-Hexanone	2-Chloroethyl Vinyl Ether
Bromoethene	4-Methyl-2-Pentanone	2-Hexanone
Bromoform	Acetone	4-Methyl-2-Pentanone
Bromomethane	Bromochloromethane	Acetone
Carbon Disulfide	Bromodichloromethane	Bromochloromethane
Carbon Tetrachloride	Bromoform	Bromodichloromethane
Chlorobenzene	Bromomethane	Bromoform
Chlorodibromomethane	Carbon Disulfide	Bromomethane
Chloroethane	Carbon Tetrachloride	Carbon Disulfide
Chloroform	Chlorobenzene	Carbon Tetrachloride
Chloromethane	Chlorodibromomethane	Chlorobenzene
cis-1,2-Dichloroethene	Chloroethane	Chlorodibromomethane
cis-1,3-Dichloropropene	Chloroform	Chloroethane
Cyclohexane	Chloromethane	Chloroform
Dichlorodifluoromethane	cis-1,2-Dichloroethene	Chloromethane
Ethyl Acetate	cis-1,3-Dichloropropene	cis-1,2-Dichloroethene
Hexachlorobutadiene	Dibromomethane	cis-1,3-Dichloropropene

TABLE 2-3
 Non-fuel Volatile Organic Compound List
Fourth Quarter Status Report, Honeywell 34th Street Facility, Phoenix, Arizona

Soil Vapor	Groundwater	Soil
Isopropanol	Dichlorodifluoromethane	Dibromomethane
Methylene Chloride	Hexachlorobutadiene	Dichlorodifluoromethane
Propylene	Iodomethane	Hexachlorobutadiene
Tetrachloroethene	Methylene Chloride	Iodomethane
Tetrahydrofuran	Styrene	Methylene Chloride
trans-1,2-Dichloroethene	Tetrachloroethene	Styrene
trans-1,3-Dichloropropene	trans-1,2-Dichloroethene	Tetrachloroethene
Trichloroethene	trans-1,3-Dichloropropene	trans-1,2-Dichloroethene
Trichlorofluoromethane	Trichloroethene	trans-1,3-Dichloropropene
Vinyl Acetate	Trichlorofluoromethane	Trichloroethene
Vinyl Chloride	Vinyl Acetate	Trichlorofluoromethane
	Vinyl Chloride	Vinyl Acetate
		Vinyl Chloride

TABLE 3-1
Summary of Free-product Recovery
Fourth Quarter Status Report, Honeywell 34th Street Facility, Phoenix, Arizona

Well	Gallons Recovered during Fourth Quarter 2006	Total Gallons Recovered via Skimming through Fourth Quarter 2006
ASE-19A	0	49.5
ASE-20A	0	4,103.8
ASE-37A	0	1.8
ASE-38A	0	46.9
ASE-39A	0	0.7
ASE-41A	0	27.3
ASE-51A	0	105.0
ASE-52A	0	19.5
ASE-53A	0	481.1
ASE-55A	0	3.1
ASE-56A	0	663.0
ASE-57A	0	685.2
ASE-63A	0	0.0
ASE-64A	0	31.6
ASE-67A	20.7	295.5
ASE-68A	0	74.7
ASE-89A	0	139.1
ASE-90A	0	6.7
ASE-91A	0	0.0
ASE-92A	0	0.0
ASE-96A	0	1.0
ASE-102A	0	146.5
ASE-107A	2.3	5.2
ASE-111A	0	4.1
ASE-113A	0	0.0
ASE-114A	0	0.0
ASE-115A	0	0.2
PL-101A	0	291.0
PL-105A	0	5.5
PL-2101	0	0.02
Total	23	7188

Notes:

This table includes all wells that have historically had measurable free product.

Rounding may affect totals shown in far right column and totals at bottom of table.

TABLE 3-2

Sky Harbor International Airport Subsurface Utility Vaults Field Parameter Results, Fourth Quarter 2006
Fourth Quarter Status Report, Honeywell 34th Street Facility, Phoenix, Arizona

Vault Location ID	Date	Time	LEL-WO (% V/V)	METHANE-WO (% V/V)	CO ₂ -WO (% V/V)	O ₂ -WO (% V/V)
ELE-VLT-01	10/10/06	7:10	0.0	0.0	0.1	20.7
ELE-VLT-01	11/09/06	11:57	0.0	0.0	0.0	20.7
ELE-VLT-01	12/15/06	7:14	0.0	0.0	0.0	21.0
ELE-VLT-02	10/10/06	7:12	0.0	0.0	0.1	20.9
ELE-VLT-02	11/09/06	12:00	0.0	0.0	0.2	20.3
ELE-VLT-02	12/15/06	7:16	0.0	0.0	0.0	21.1
ELE-VLT-03	10/10/06	7:18	0.0	0.0	0.0	20.9
ELE-VLT-03	11/09/06	12:04	0.0	0.0	0.2	20.5
ELE-VLT-03	12/15/06	7:20	0.0	0.0	0.3	20.5
ELE-VLT-04	10/10/06	7:20	0.0	0.0	0.0	20.9
ELE-VLT-04	11/09/06	12:06	0.0	0.0	0.2	20.4
ELE-VLT-04	12/15/06	7:22	0.0	0.0	0.0	21.0
ELE-VLT-05	10/10/06	7:22	0.0	0.0	0.0	20.8
ELE-VLT-05	11/09/06	12:08	0.0	0.0	0.2	20.2
ELE-VLT-05	12/15/06	7:24	0.0	0.0	0.0	20.9
ELE-VLT-06	10/10/06	7:24	0.0	0.0	0.1	20.9
ELE-VLT-06	11/09/06	12:10	0.0	0.0	0.4	19.7
ELE-VLT-06	12/15/06	7:26	0.0	0.0	0.3	20.2
ELE-VLT-07	10/10/06	7:26	0.0	0.0	0.0	20.8
ELE-VLT-07	11/09/06	12:12	0.0	0.0	0.0	20.5
ELE-VLT-07	12/15/06	7:28	0.0	0.0	0.0	20.8
ELE-VLT-08	10/10/06	7:28	0.0	0.0	0.0	20.8
ELE-VLT-08	11/09/06	12:14	0.0	0.0	0.0	20.5
ELE-VLT-08	12/15/06	7:30	0.0	0.0	0.0	21.0
ELE-VLT-09	10/10/06	7:29	0.0	0.0	0.0	20.7
ELE-VLT-09	11/09/06	12:15	0.0	0.0	0.0	20.5
ELE-VLT-09	12/15/06	7:31	0.0	0.0	0.0	20.9
ELE-VLT-10	10/10/06	7:32	0.0	0.0	0.0	20.9
ELE-VLT-10	11/09/06	12:18	0.0	0.0	0.0	20.5
ELE-VLT-10	12/15/06	7:34	0.0	0.0	0.0	21.0
FBO-VLT-01	10/10/06	7:14	0.0	0.0	0.1	20.7
FBO-VLT-01	11/09/06	12:01	0.0	0.0	0.1	20.6
FBO-VLT-01	12/15/06	7:17	0.0	0.0	0.3	20.4
FBO-VLT-02	10/10/06	7:17	0.0	0.0	0.1	20.7
FBO-VLT-02	11/09/06	12:03	0.0	0.0	0.1	20.7
FBO-VLT-02	12/15/06	7:19	0.0	0.0	0.1	20.9
FBO-VLT-03	10/10/06	7:31	0.0	0.0	0.0	20.8
FBO-VLT-03	11/09/06	12:17	0.0	0.0	0.0	20.4
FBO-VLT-03	12/15/06	7:33	0.0	0.0	0.0	21.0

TABLE 3-2

Sky Harbor International Airport Subsurface Utility Vaults Field Parameter Results, Fourth Quarter 2006
Fourth Quarter Status Report, Honeywell 34th Street Facility, Phoenix, Arizona

Vault Location ID	Date	Time	LEL-WO (% V/V)	METHANE-WO (% V/V)	CO ₂ -WO (% V/V)	O ₂ -WO (% V/V)
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Notes:

CO₂ = carbon dioxide.

ELE = airport electrical vaults.

FBO = Federal Aviation Administration fiber optic vaults.

LEL = lower explosive limit.

O₂ = oxygen.

-W = measurement taken with a carbon filter.

-WO = measurement taken without a carbon filter.

% V/V = percent volume per volume.

TABLE 3-3
Well Dilution Test Field Measurement Data, Fourth Quarter 2006
Fourth Quarter Status Report, Honeywell 34th Street Facility, Phoenix, Arizona

Location ID	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	Date	O ₂ -W (% V/V)	O ₂ -WO (% V/V)	CO ₂ -W (% V/V)	CO ₂ -WO (% V/V)	Methane -W (% V/V)	Methane -WO (% V/V)	% LEL -W (% V/V)	% LEL -WO (% V/V)	Helium (% V/V)	Static Wellhead Pressure (inches H ₂ O)
BC-18	60	80	10/05/2006	-	10.4	-	4.9	0	0	0	0	0	0.040
ASE-111A ^a	59.5	124.5	10/05/2006	-	0	-	14.7	>100	>100	>100	>100	NA	0.150
ASE-111A	59.5	124.5	10/10/2006	-	0	-	17.6	68.6	>100	>100	>100	NA	0.090
P-14-U	12	17	10/10/2006	-	20.5	-	0	0	0	0	0	0	0.010
ASE-20A	61	81	10/10/2006	-	0	-	12.5	5	87	>100	>100	NA	0.030
P-21-L	53	63	10/10/2006	-	0	-	14.1	5.8	96	>100	>100	NA	0.070
P-17-M	38	43	10/18/2006	0	0	13.9	14	3.5	6	69	>100	NA	-0.020
P-17-U	20	25	11/14/2006	8.8	-	11	-	0	-	0	-	0	-0.010
P-17-M	38	43	11/14/2006	0	-	13.1	-	10.5	-	>100	-	0.44	0.000
P-21-U	15	20	11/14/2006	15.8	-	2.4	-	0.2	-	4	-	0	0.010
P-23-U	16	21	11/14/2006	9.9	-	4.9	-	0	-	0	-	0	0.010
P-28-U	6	11	11/15/2006	7.4	-	7.3	-	0	-	0	-	0	0.000
P-28-M	43	48	11/15/2006	1.8	-	7.4	-	0	-	0	-	0	0.000
P-28-L	58	78	11/15/2006	4.9	-	5.9	-	0.1	-	1	-	0	0.010
P-47	6	11	11/15/2006	16.2	-	3.1	-	0	-	0	-	0	0.010

Notes:

^aTest incomplete due to carbon breakthrough

CO₂ = carbon dioxide

ft bgs = feet below ground surface

H₂O - water

O₂ = oxygen

TABLE 3-3

Well Dilution Test Field Measurement Data, Fourth Quarter 2006

Fourth Quarter Status Report, Honeywell 34th Street Facility, Phoenix, Arizona

Location ID	Top of Screen (ft bgs)	Bottom of Screen	Date	O ₂ -W	O ₂ -WO	CO ₂ -W	CO ₂ -WO	Methane -W	Methane -WO	% LEL -W	% LEL -WO	Helium (% V/V)	Static Wellhead Pressure (inches H ₂ O)
		(ft bgs)		(% V/V)	(% V/V)	(% V/V)	(% V/V)	(% V/V)	(% V/V)	(% V/V)	(% V/V)		

Notes:

% LEL = percent lower explosive limit

% V/V = percent volume per volume

NR = Not recorded

NA = Not applicable; Helium test was not conducted because the oxygen was less than or equal to 0.05%

-W = measurement taken with a carbon filter

-WO = measurement taken without a carbon filter

> = greater than

TABLE 3-4

Monitor Well P-17-M Long-Term Test Field Results, November, 2006

Fourth Quarter Status Report, Honeywell 34th Street Facility, Phoenix, Arizona

Location ID	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	Date	Time	O2-W (% V/V)	CO2-W (% V/V)	Methane-W (% V/V)	Methane-WO (% V/V)
P-17-M	38	43	11/27/2006	16:44	0.0	13.8	15.1	48.5
P-17-M	38	43	11/27/2006	19:09	0.0	15.1	6.5	13.5
P-17-M	38	43	11/27/2006	23:22	0.0	15.4	6.0	13.8
P-17-M	38	43	11/28/2006	3:20	0.0	15.5	6.2	11.0
P-17-M	38	43	11/28/2006	5:24	0.0	15.7	6.1	11.9
P-17-M	38	43	11/28/2006	6:04	0.0	15.7	5.6	11.4
P-17-M	38	43	11/28/2006	9:10	0.0	14.3	5.2	7.8
P-17-M	38	43	11/28/2006	10:30	0.0	13.2	5.1	14.4
P-17-M	38	43	11/28/2006	11:56	0.0	11.7	13.8	-

Notes:

-W = measurement taken with a carbon filter

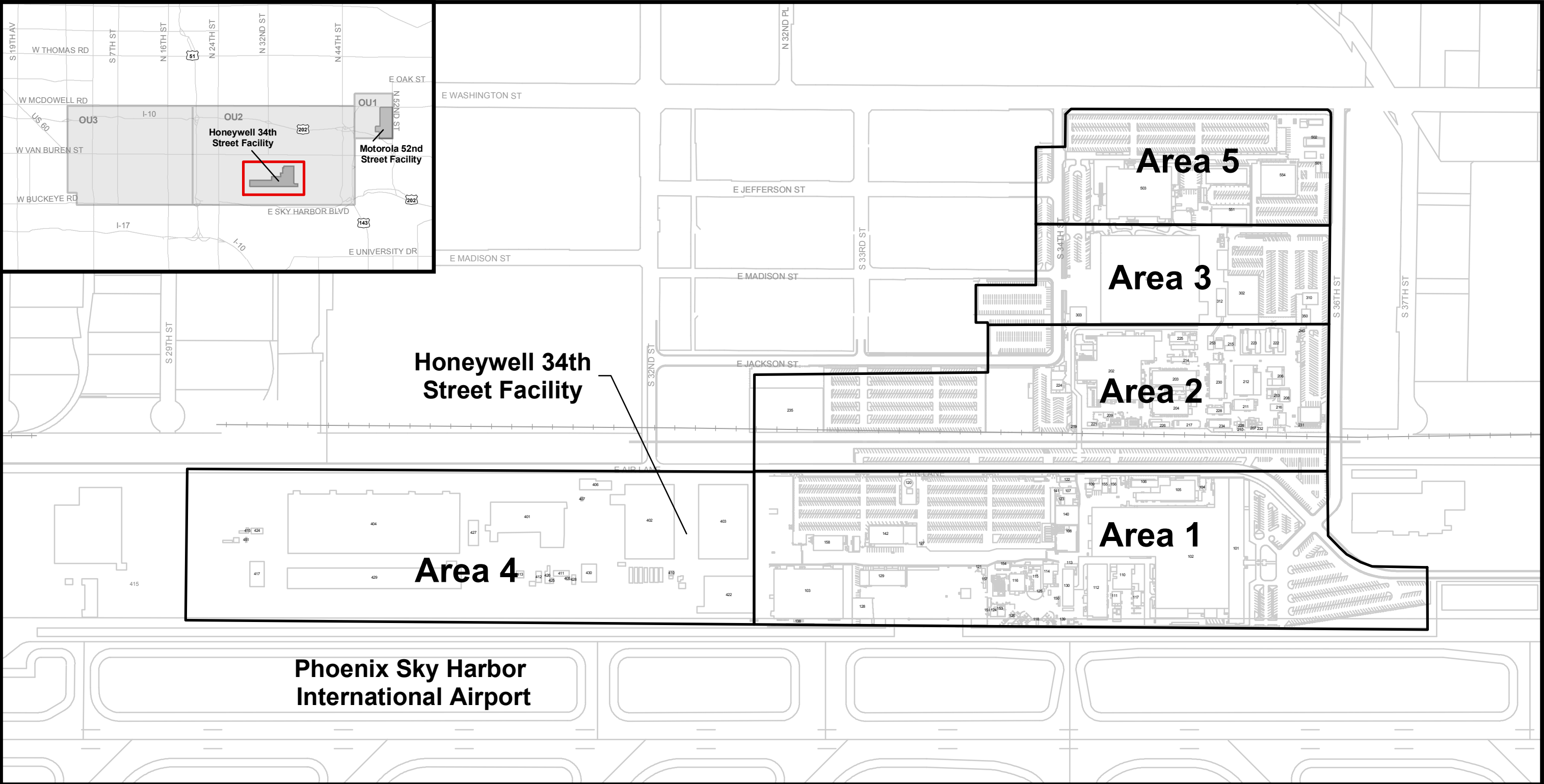
-WO = measurement taken without a carbon filter

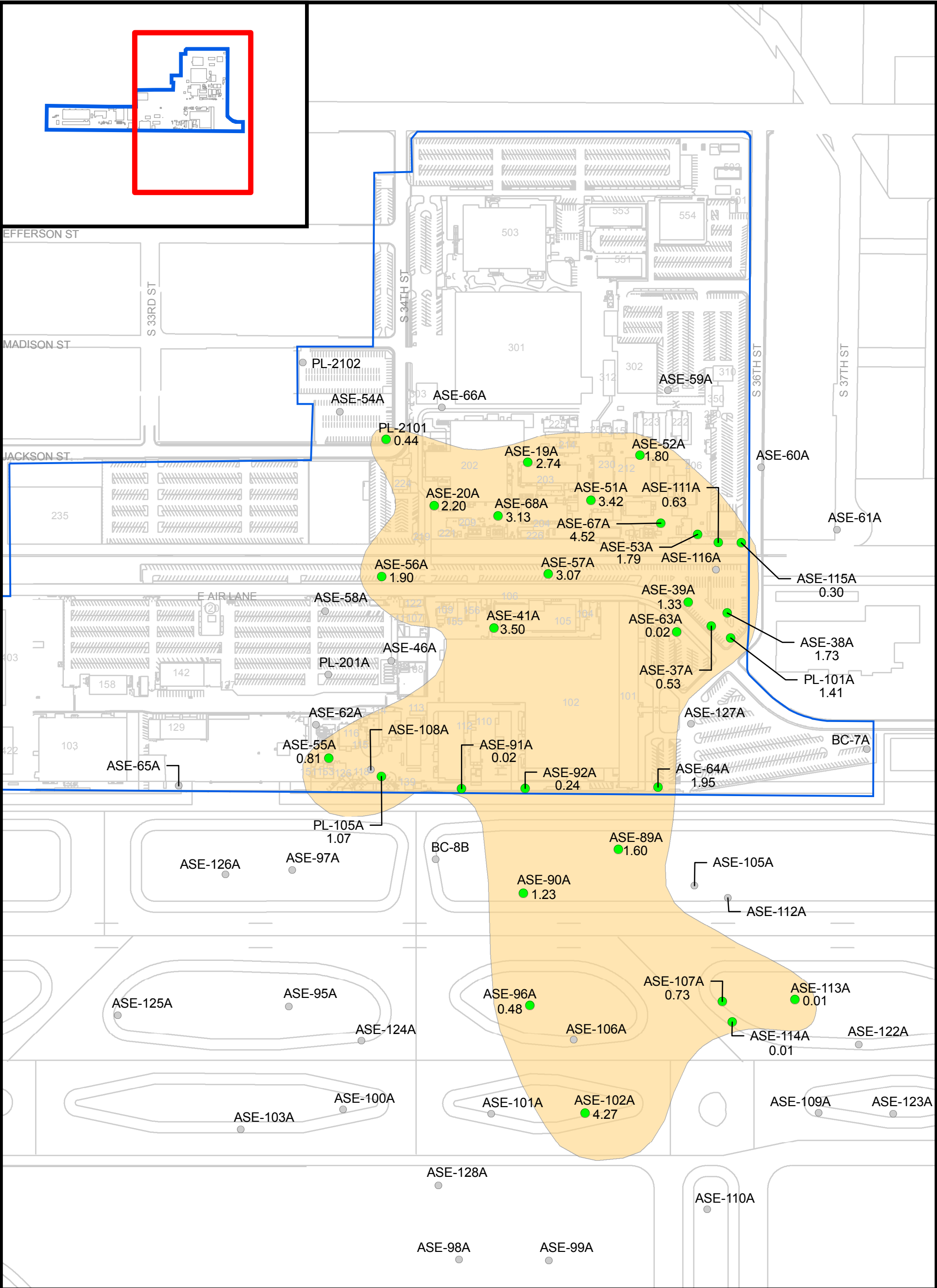
ft bgs = feet below ground surface

(-) = data not recorded

%V/V = percent volume per volume

Figures





Legend

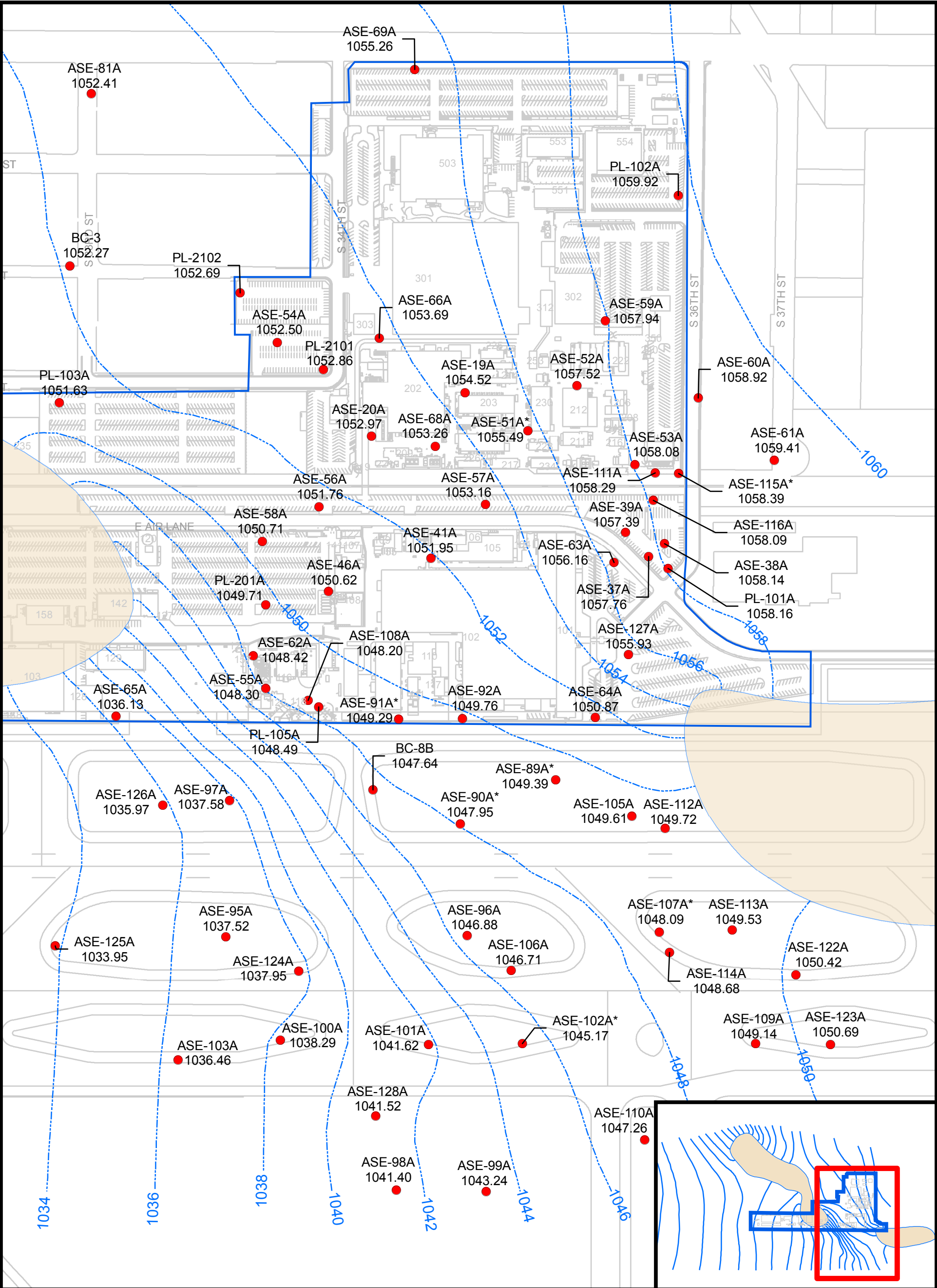
- Free Product Detected (feet)
- Free Product Not Detected
- Street and Airport Features
- Honeywell Facility
- Historical Free Product Extent (as of December 6, 2006)



0 150 300 600 Feet

FIGURE 2-2
FREE-PRODUCT THICKNESS (MAXIMUM)

Honeywell 34th Street Facility
Phoenix, Arizona



Legend

● ASE-124A Well Identifier
1037.95 Water Level Elevation, in feet above mean sea level

--- Water Level Contours (ft amsl) - SRG

□ Honeywell Facility

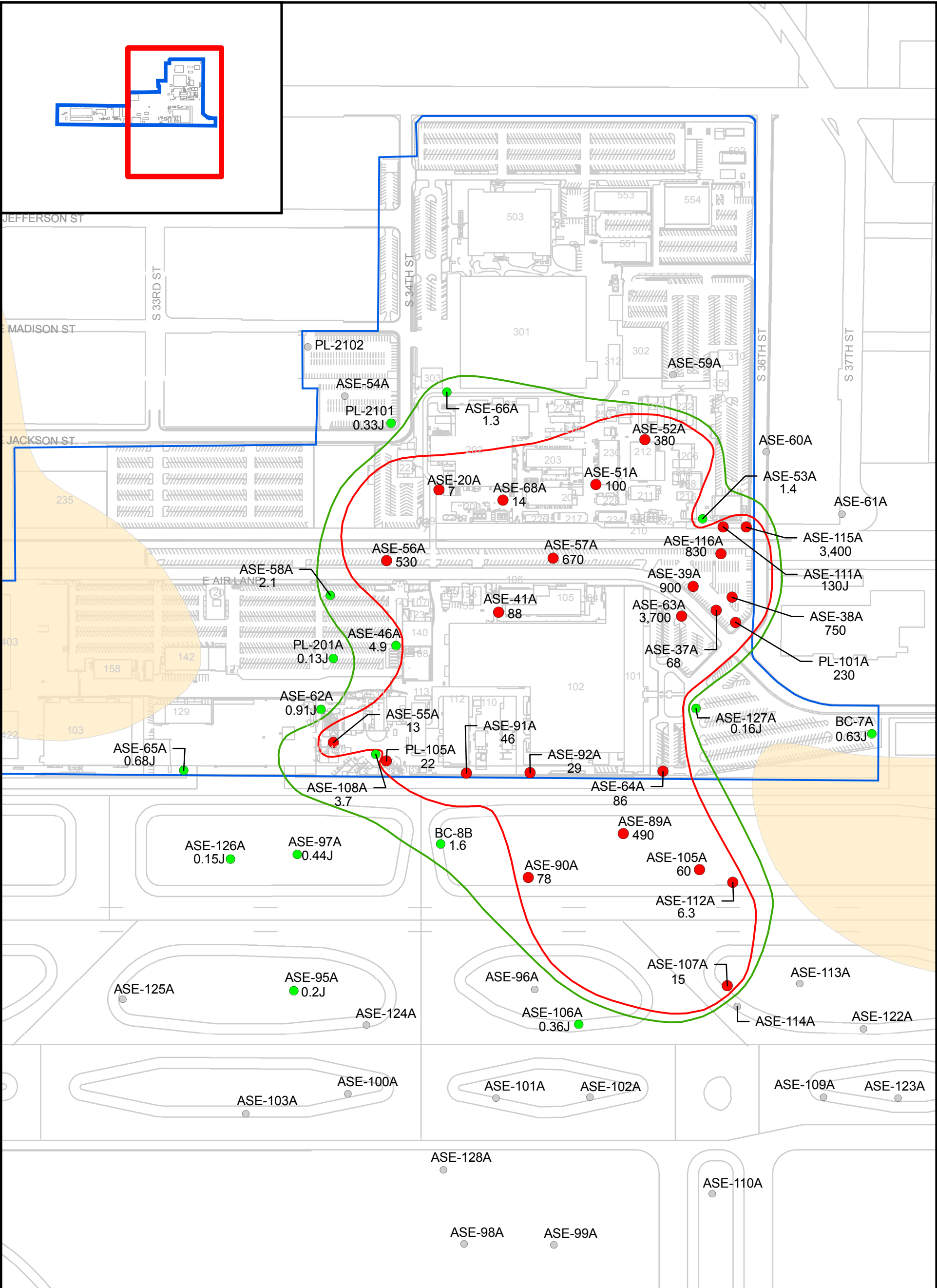
■ Honeywell Bedrock Rise

0 150 300 600 Feet

Notes:

1. All measurements taken on December 6, 2006.
2. No pumping water levels or groundwater levels for wells with free product were used to produce water level contours displayed on this map.
3. *Monitoring well contained free product. Value represents corrected water level elevation based on a free product specific gravity of 0.81. Groundwater levels from wells with free product were not used to produce contours.

FIGURE 2-3
WATER LEVEL CONTOURS
DECEMBER 2006
SALT RIVER GRAVELS SUB-UNIT
Honeywell 34th Street Facility
Phoenix, Arizona

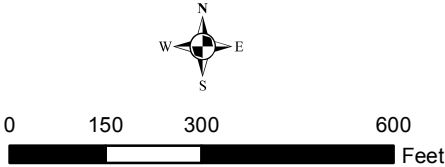


Legend

- Compound Not Detected
- Compound Detected (µg/L)
- Regulatory Standard Exceeded
- Street and Airport Features
- Honeywell Facility
- Honeywell Bedrock Rise

Contour

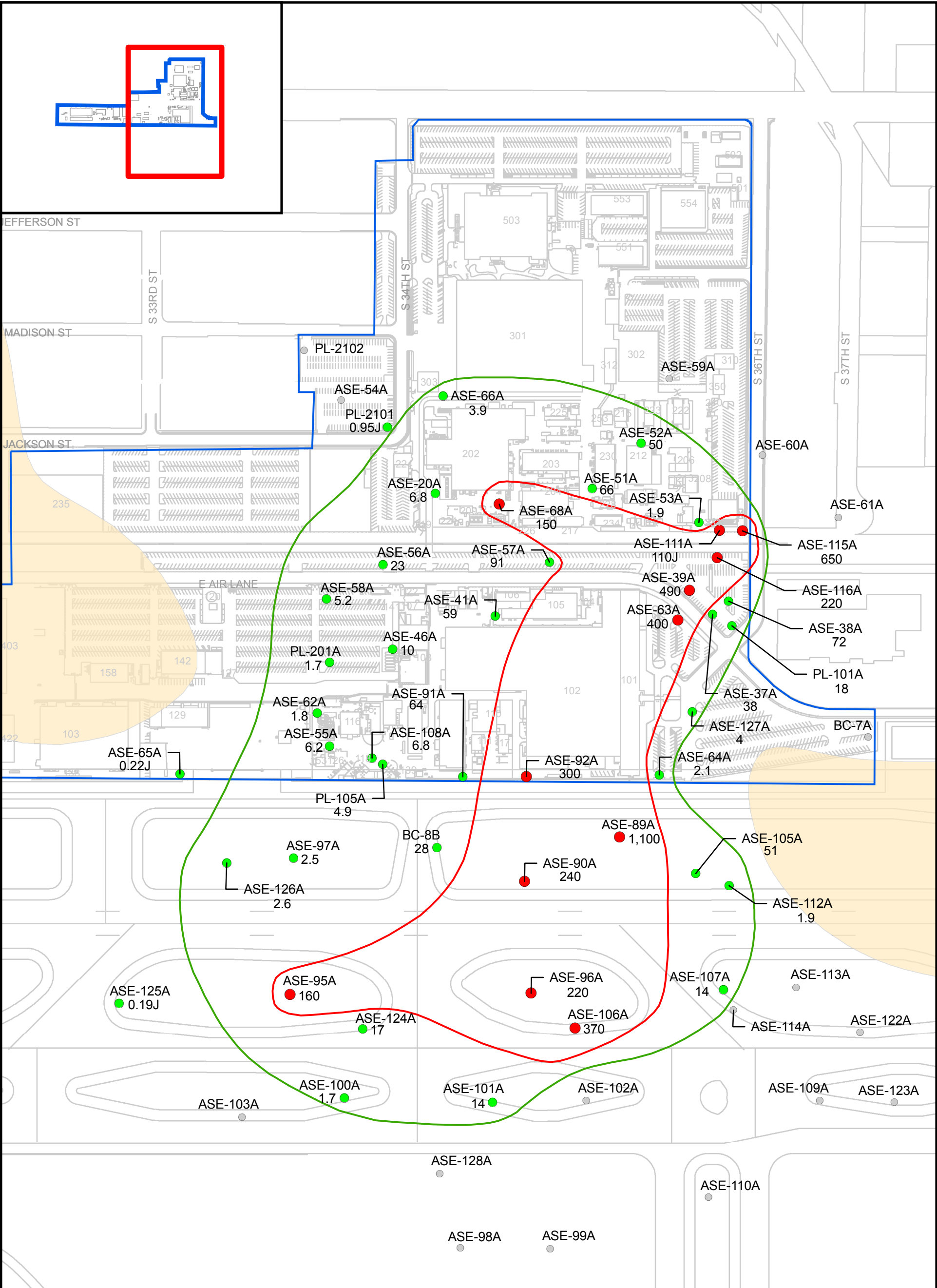
- Not Detected Above Reporting Limit
- 5 µg/L



Notes:
1. Exceedance value is 5 µg/L.
2. Samples collected between December 7 and December 15, 2006.
3. J = Analyte detected but concentration estimated by laboratory.

FIGURE 2-4
BENZENE
DECEMBER 2006
GROUNDWATER PARAMETERS

Honeywell 34th Street Facility
Phoenix, Arizona

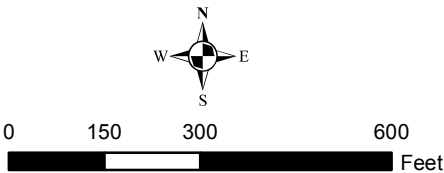


Legend

- Compound Not Detected
- Compound Detected (µg/L)
- Regulatory Standard Exceeded
- Street and Airport Features
- Honeywell Facility
- Honeywell Bedrock Rise

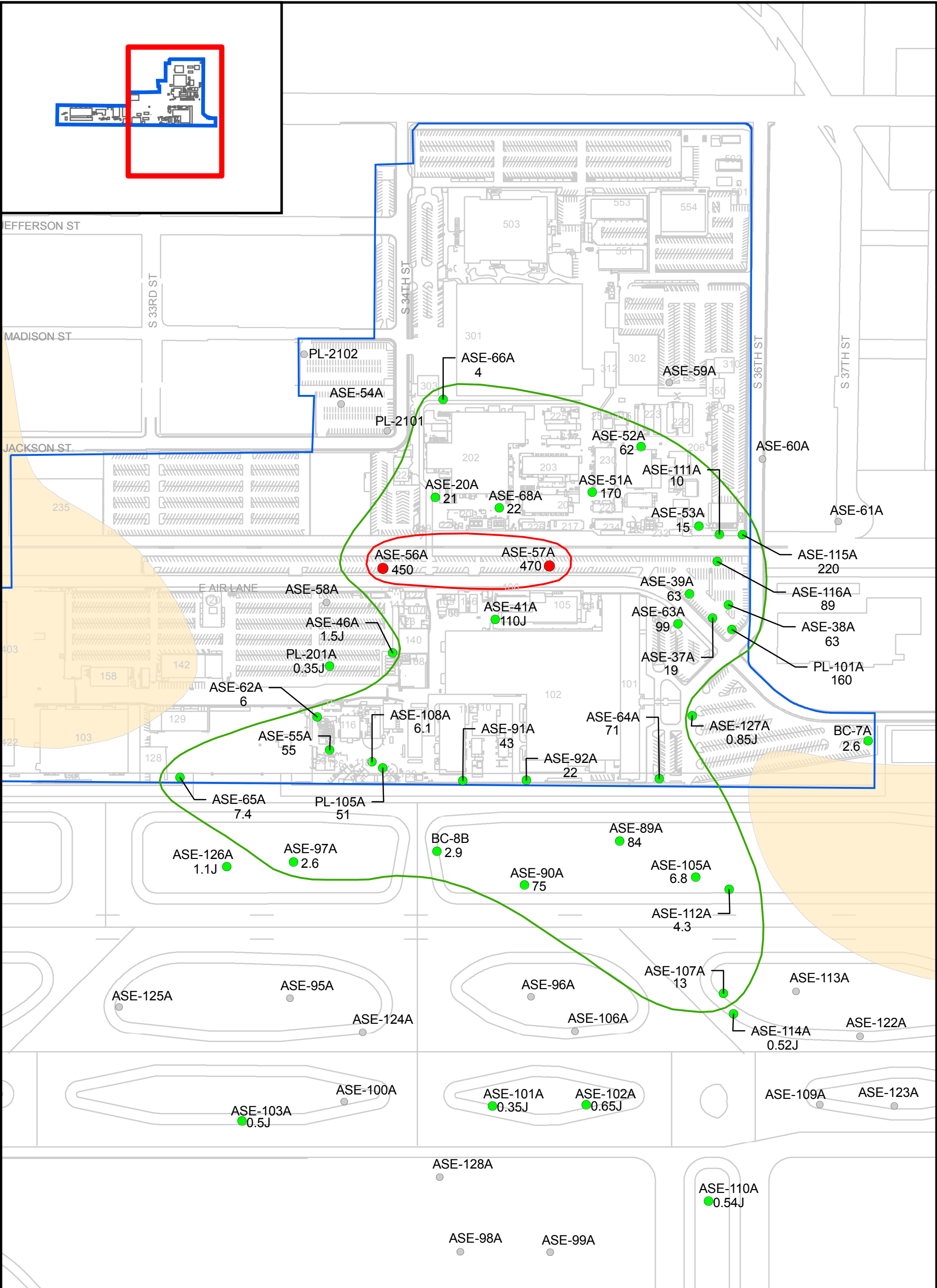
Contour

- Not Detected Above Reporting Limit
- 94 µg/L



Notes:
1. Exceedance value is 94 ug/L.
2. Samples collected between December 7 and December 15, 2006.
3. J = Analyte detected but concentration estimated by laboratory.

FIGURE 2-5
METHYL TERT-BUTYL ETHER
DECEMBER 2006
GROUNDWATER PARAMETERS
Honeywell 34th Street Facility
Phoenix, Arizona

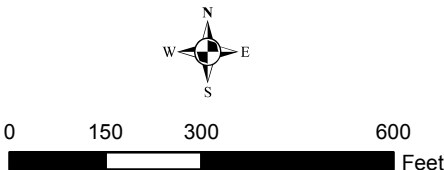


Legend

- Compound Not Detected
- Compound Detected (µg/L)
- Regulatory Standard Exceeded
- Street and Airport Features
- Honeywell Facility
- Honeywell Bedrock Rise

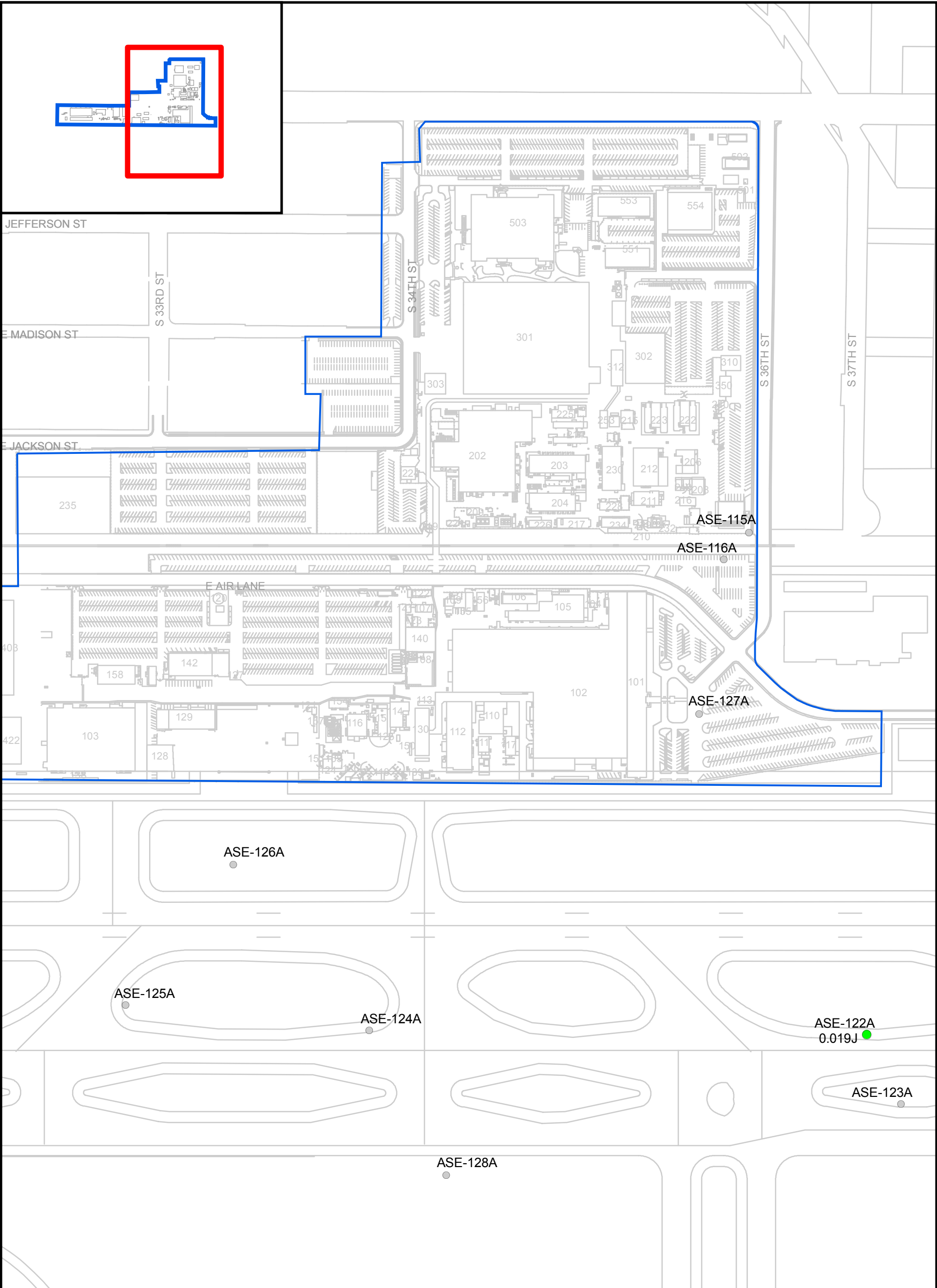
Contour

- Not Detected Above Reporting Limit
- 280 µg/L



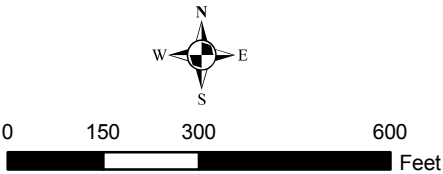
- Notes:
- Exceedance value is 280 ug/L.
 - Samples collected between December 7 and December 15, 2006.
 - J = Analyte detected but concentration estimated by laboratory.

FIGURE 2-6
NAPHTHALENE
DECEMBER 2006
GROUNDWATER PARAMETERS
Honeywell 34th Street Facility
Phoenix, Arizona



Legend

- Compound Not Detected
- Compound Detected (µg/L)
- Street and Airport Features
- Honeywell Facility



Notes:
1. Exceedance value is 0.2 ug/L.
2. Samples collected between December 7 and December 13, 2006.
3. J = Analyte detected but concentration estimated by laboratory.

FIGURE 2-7
BENZO(A)PYRENE
DECEMBER 2006
GROUNDWATER PARAMETERS
Honeywell 34th Street Facility
Phoenix, Arizona

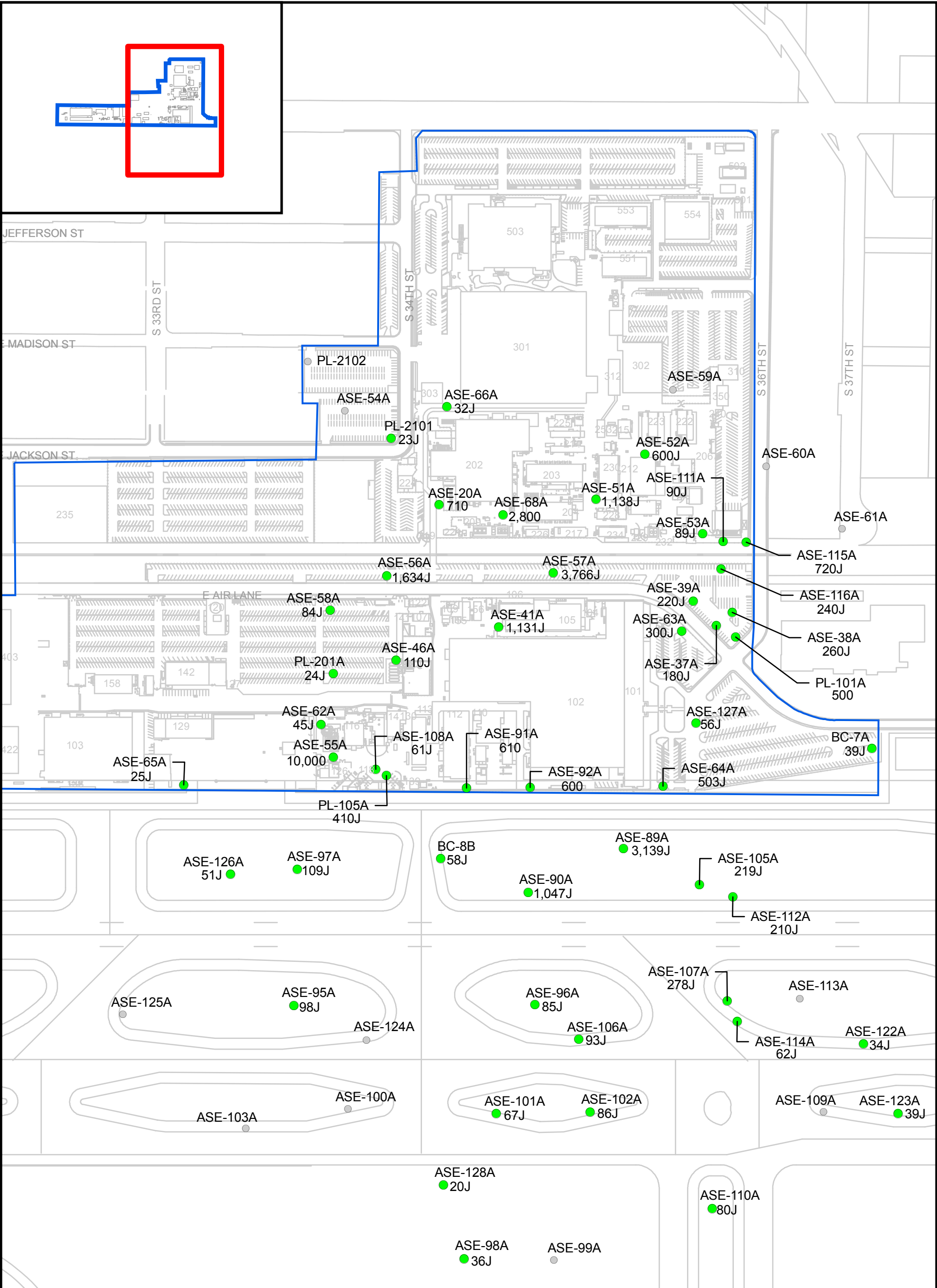
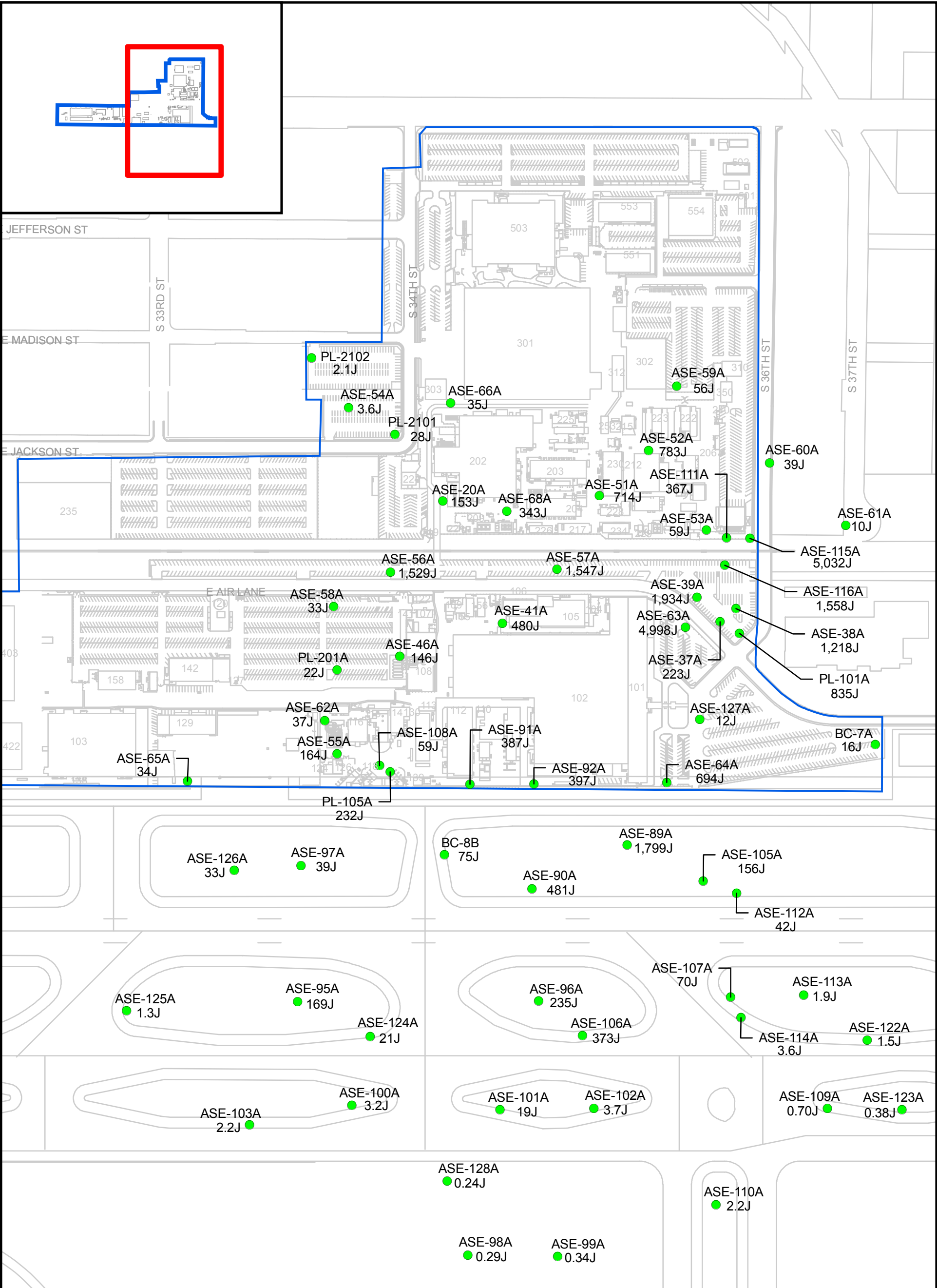
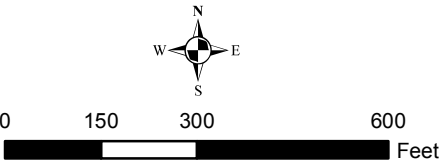


FIGURE 2-9
TOTAL RECOVERABLE
PETROLEUM HYDROCARBONS (TRPH)
DECEMBER 2006
GROUNDWATER PARAMETERS
Honeywell 34th Street Facility
Phoenix, Arizona



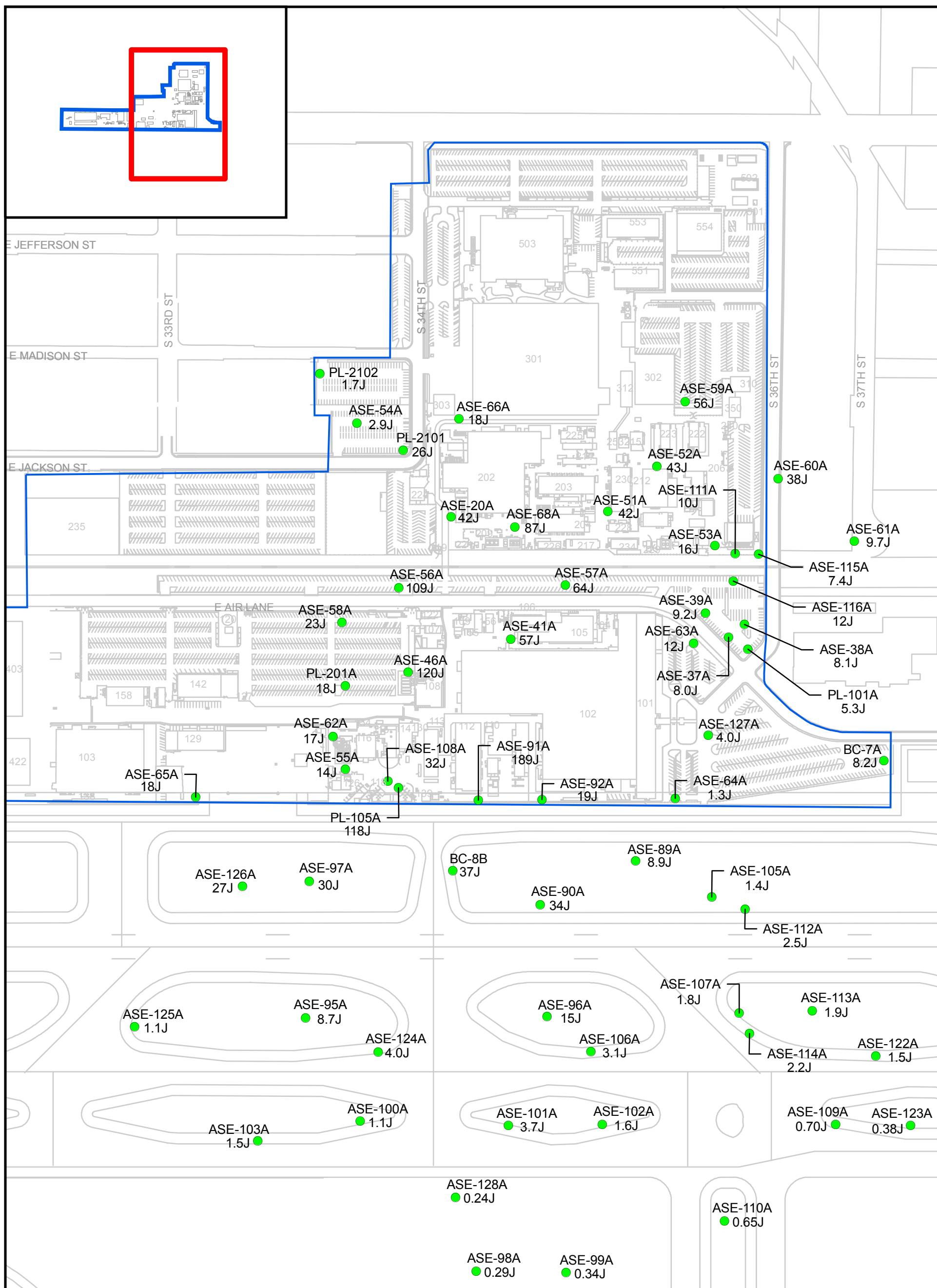
Legend

- Compound Detected (µg/L)
- Street and Airport Features
- Honeywell Facility



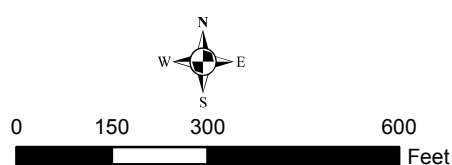
- Notes:
1. Total VOCs is the sum of all detections for EPA Method 8260B analyte list.
 2. Samples collected between December 7 and December 15, 2006.
 3. J = Analyte detected but concentration estimated by laboratory.

FIGURE 2-10
TOTAL VOCs
DECEMBER 2006
GROUNDWATER PARAMETERS
Honeywell 34th Street Facility
Phoenix, Arizona



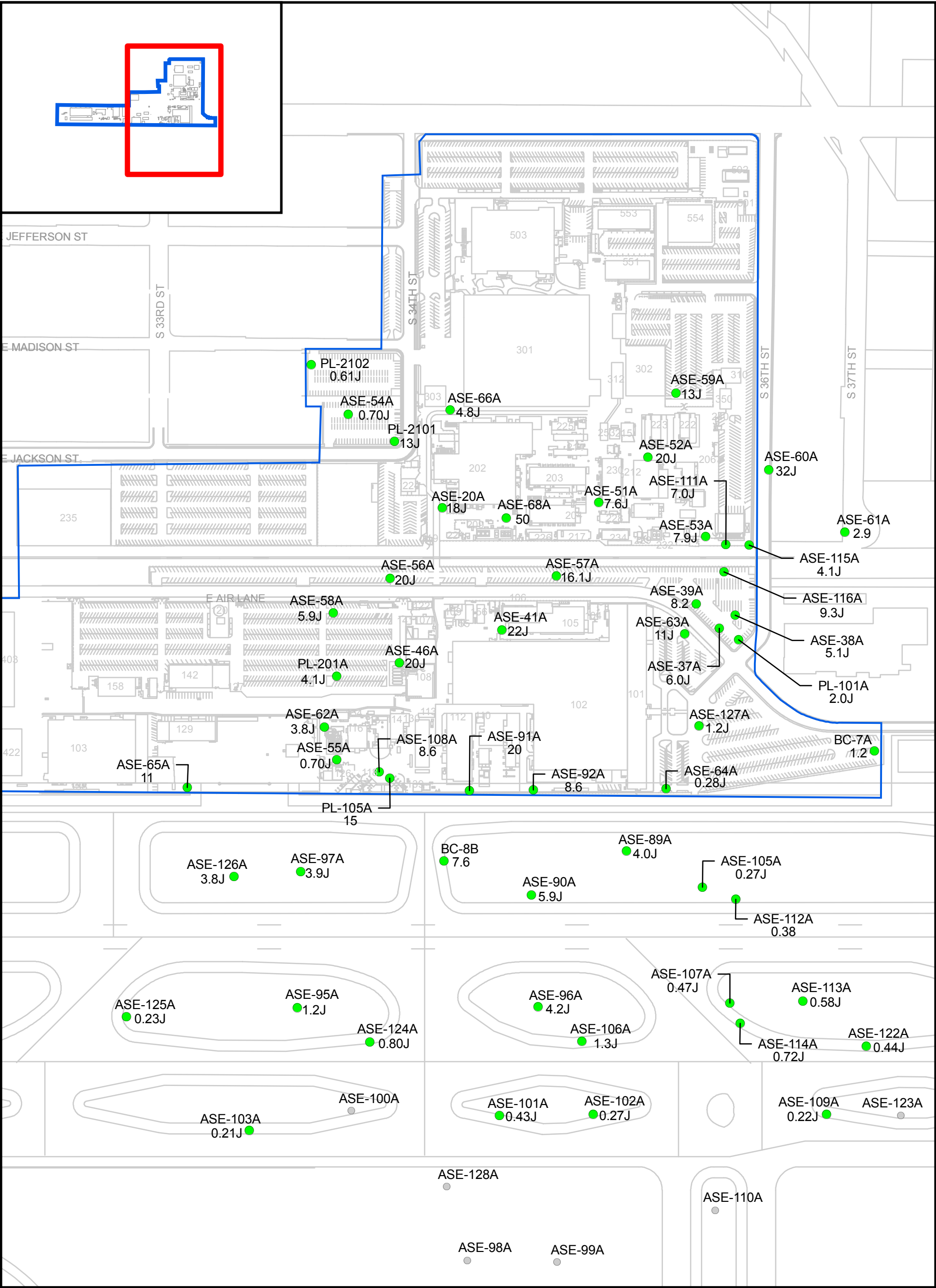
Legend

- Compound Detected ($\mu\text{g/L}$)
- Street and Airport Features
- Honeywell Facility



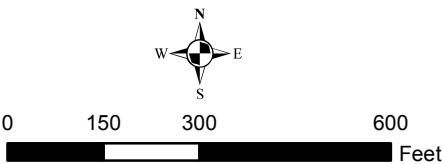
Notes:

1. Total Non-Fuel VOCs is the sum of the compounds listed on table 2-3 (prepared by CH2M HILL chemist).
2. Samples collected between December 7 and December 15, 2006.
3. J = Analyte detected but concentration estimated by laboratory.



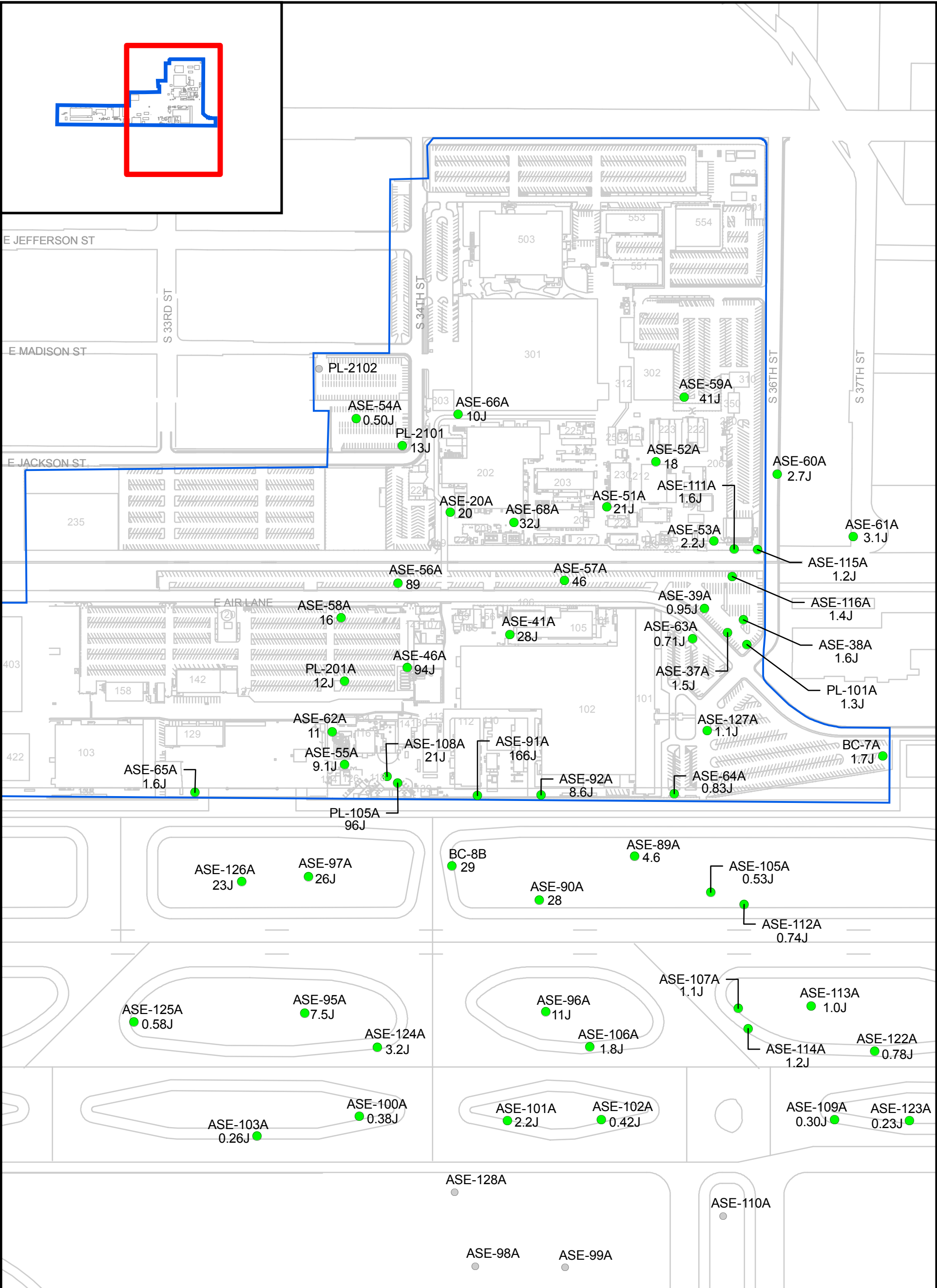
Legend

- Compound Detected (µg/L)
- Compound Not Detected
- Street and Airport Features
- Honeywell Facility



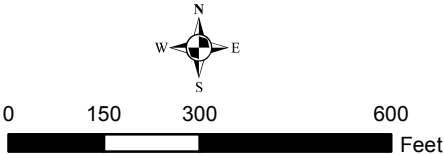
Notes:
1. Total TCE is the sum of TCE, cis-1,2-DCE, and Vinyl Chloride.
2. Samples collected between December 7 and December 15, 2006.
3. J = Analyte detected but concentration estimated by laboratory.

FIGURE 2-12
TOTAL TCE
DECEMBER 2006
GROUNDWATER PARAMETERS
Honeywell 34th Street Facility
Phoenix, Arizona



Legend

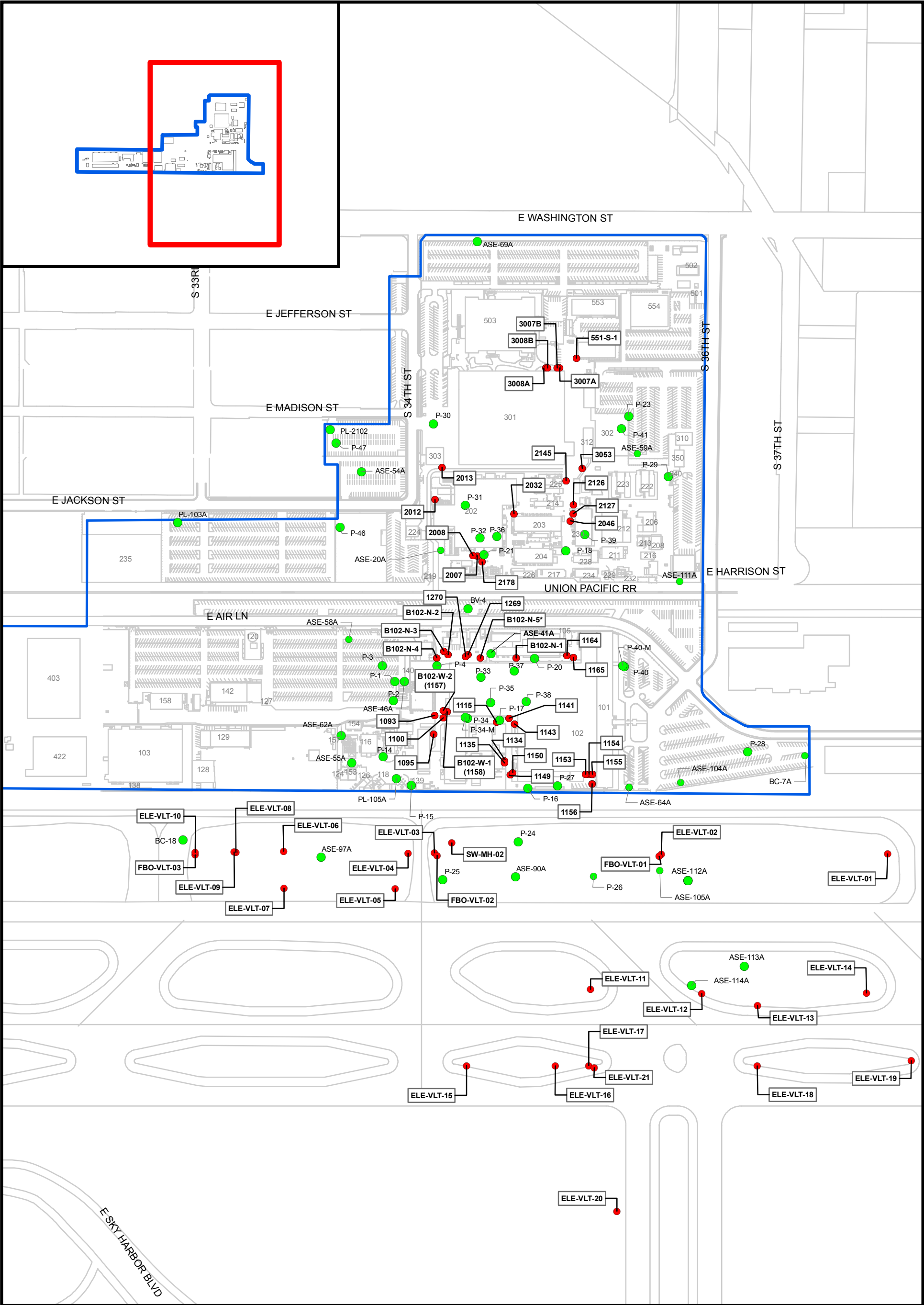
- Compound Detected (µg/L)
- Compound Not Detected
- Street and Airport Features
- Honeywell Facility



Notes:
1. Total TCA is the sum of 1,1,1-TCA, 1,1-DCA, 1,1-DCE, and Chloroethane.
2. Samples collected between December 7 and December 15, 2006.
3. J = Analyte detected but concentration estimated by laboratory.

FIGURE 2-13
TOTAL TCA
DECEMBER 2006
GROUNDWATER PARAMETERS

Honeywell 34th Street Facility
Phoenix, Arizona



Legend

- Well Dilution Testing Conducted at these Monitoring Wells
- Subsurface Utility Vaults
- Airport and Street Features
- Honeywell Site Boundary

Note:
Posted Subsurface Utility Vault locations have not been surveyed
* 1'x1'x1' Structure does not contain piping or utilities.

FIGURE 3-1

MONITORING WELL AND SUBSURFACE UTILITY VAULT LOCATIONS

*Honeywell 34th Street Facility
Phoenix, Arizona*

CH2MHILL

PHX \PHOENIX\PROJ\337711\BV-BIOVENTING AND UST\50\52\10 - ADEQ RPTING\2006 - Q3\GIS SOURCE FILES\SV_MXD\FIG3-1_MONITORING_SUBSURFACEUTILITYVAULTS.MXD CVF 10/25/2006 12:18:18

Appendix A
Free Product Sample Letter Report and
Laboratory Analytical Reports



TRILLIUM INC.
Consultants in Environmental Chemistry

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FAX (302) 992-9978
EMAIL dshapperd@trilliuminc.com
www.trilliuminc.com

February 13, 2007

Mr. Phil Burke
CH2M Hill
2625 S. Plaza Drive
Suite 300
Tempe, AZ 85282-3397

RE: Fuel Content of Free Product Sample from Well ASE-107A

Dear Mr. Burke:

Enclosed please find the data that illustrate the composition of the LNAPL sample collected from monitor well ASE-107A on November 2, 2006.

The chromatogram for the sample is consistent with a combination of Jet A and JP-4 fuels. Estimated percentages of each fuel in the free product sample were calculated from the "fingerprint" chromatogram as described below.

Trillium obtained commercial standards for JetA and JP-4 from Supelco in 1999. These were analyzed under the same analytical conditions used to fingerprint the LNAPL samples (chromatograms for both standards are included in Attachment A). From these standard chromatograms, Trillium determined a way to estimate fuel percentages in the LNAPLs based on the response obtained. The total area of the chromatogram in three different retention time (RT) ranges was integrated using the instrument software. Based on the standards, these three ranges were representative of the elution time ranges specific to each of the fuel types and a middle range where

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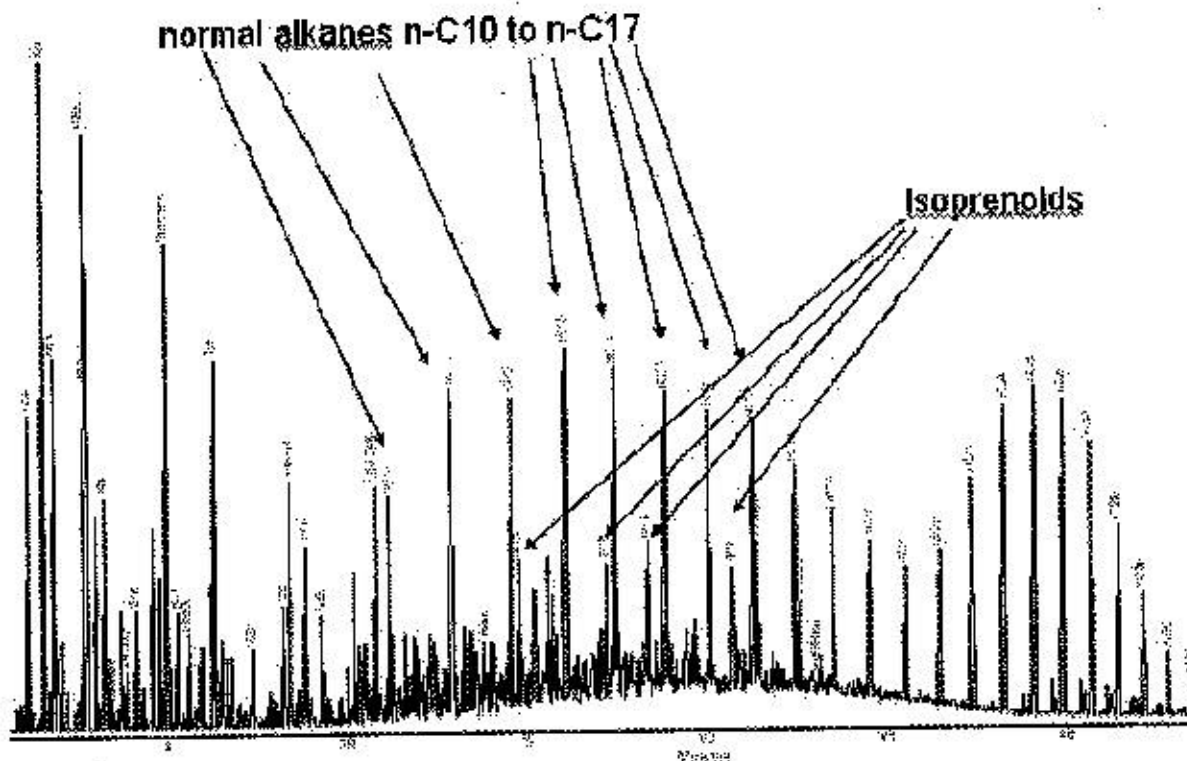
overlap of the fuels occurs. Ranges were established using the retention times of normal paraffins (straight chain or n-alkanes) to compensate for any drift in instrument performance over time.

The first range of the chromatogram starts with butane and continues to a point half-way between the RTs for heptane and octane. The second range begins where the first range ends and extends to a point half-way between RTs for undecane and dodecane. The last range begins where the second range ends and extends to a point half-way between RTs for heptadecane and octadecane. The first range was assigned to JP-4 and the third range to JetA. The response from the middle range was divided equally between JP-4 and JetA.

In July of 2005, a sample of JP-4 from an on-site tank was submitted to Trillium as a laboratory blind sample identified as Well ASE-111B. Analysis of this fuel showed a much higher second and third range response than the commercial JP-4 standard that had been relied upon previously (chromatogram for ASE-111B is included in Attachment A). Because this on-site "standard" should be more representative of any JP-4 component in a LNAPL from the site, Trillium adjusted the method for estimating the fuel percentages accordingly. The JP-4 was described to Trillium as a 50:50 mixture of gasoline and kerosene, therefore, it was assumed that for every one percent of JP-4 identified in a LNAPL sample, one percent of kerosene (JetA) would, by definition, have to be present also. On this basis the method for estimating fuels was adjusted to reflect this new information, in effect doubling the JP-4 content and lowering the JetA content.

When hydrocarbon fuels aerobically biodegrade, the n-alkanes are the first major group of compounds to be removed from the fuel. The branched alkanes or isoprenoids are more recalcitrant. In an unweathered JetA, the chromatographic peaks representing the n-alkanes in the range between octane and tridecane will be much taller than the peaks representing the isoprenoids, as is illustrated below in the combined gasoline/diesel/wax standard in Figure 1.

Figure 1



As the fuel biodegrades, the abundance gradually shifts in favor of the branched alkanes. In a more highly biodegraded fuel, the n-alkanes will have completely disappeared. Based on the predominance of isoprenoids in the chromatogram for the LNAPL from Well ASE-107A (Attachment A) it is apparent that it has undergone substantial biodegradation. Normal alkanes comprise about 25% of a fresh JetA¹. The n-alkane content, or 25% of the total JetA content, has been lost from this sample due to aerobic biodegradation. The JP-4 does not appear to be biodegraded. These two fuels were separate releases at different times.

¹Sullivan, Patrick J., Agardy, Franklin J., Traub, Richard K., Practical Environmental Forensics: Process and Case Histories, Chapter 7, John Wiley & Sons, 2001.

Fuel percentages in the LNAPL sample from ASE-107A were calculated as follows:

- Areas from the three RT ranges were used to calculate the percentages of JetA and JP-4

Table 1
Calculations for ASE-107A LNAPL

Range	Area	Fuel Type
1	194040	JP-4
2	2908628	½ JP-4 and ½ JetA
3	4528828	JetA

Total JP-4 area 1648352
Total JetA area 5983140

JP-4 = 20%
JetA = 80%

- The JP-4 content estimated by the original method was then doubled to account for the 50:50 gasoline:kerosene composition, and the same amount was subtracted from the JetA content.

JP-4 = 20% + 20% = 40%
JetA = 80% - 20% = 60%

A special condition exists in the ASE-107A LNAPL that had not previously observed in the LNAPL samples from the site. The JetA fuel in ASE-107A has been aerobically biodegraded. The



n-alkanes, which comprise about 25% of JetA when it is fresh, have been lost. In order to bring the estimated mixture percentages back to "fresh" unweathered fuels, 25% of the 60% JetA, which is 15%, is added back to the JetA value, giving 75% JetA and 40% JP-4. These results, 75% and 40%, add up to a total of 115%. The ratio of 75/115 is 65% JetA, leaving 40/115, or 35% for the JP-4 content, as reported in Table 2.

The error term for these calculations is approximately $\pm 10\%$ and the numbers in Tables 2 and 3 should be considered estimates.

Table 2
Composition of Free Product Sampled 11/02/06

Well Sample	% JP-4	% Jet A
ASE-107A	35	65

Chromatograms from the previously collected LNAPL samples from the site were reviewed and it was observed that the sample from ASE-55A collected on 5/6/04 also exhibited substantial biodegradation of the JetA fraction. Fuel percentages for this well sample were recalculated following the procedure shown above to compensate for the loss of the alkanes. The original and revised results are listed in Table 3.

Table 3
Composition of Free Product Well ASE-55A

Well Sample	% JP-4	% Jet A
ASE-55A (calculated 5/04)	30	70
ASE-55A (calculated 12/06)	25	75

Based on the degree of biodegradation observed in the chromatograms from these two samples, ASE-55A and ASE-107A, compared with the chromatograms for the other LNAPL samples collected at the site, Wells ASE-55A and ASE-107A appear to have been located at the edges of the plume at the times they were collected, where biodegradation is reported to occur².

Chromatograms of free product samples ASE-107-6D1 and ASE-55A-4B2, commercial vendor fuel standards for JP-4 and JetA, Wells ASE-111B (100% JP-4) and ASE-51A (100% JetA) are included in Attachment A.

The LNAPL sample from ASE-107A was also analyzed for volatile organic compounds in order to identify any chlorinated organics that might be present in the product. LNAPL samples require extensive dilution in order to be analyzed by EPA GC/MS volatile organics methodology. In this case, the sample was diluted 500 times and analyzed according to EPA Method 8260B. Ethylbenzene (270,000 ppb or 270 ppm) and total xylenes (44,000 ppb or 44 ppm, an estimated concentration) were detected. The concentration of xylenes is estimated because it fell below the lower end of the calibration range. No chlorinated compounds were detected in this diluted analysis.

In order to obtain lower detection limits, a second aliquot of the sample was shaken with an equal portion of laboratory water. The water was then analyzed by method 8260B. No chlorinated compounds were detected.

MTBE was detected at an estimated concentration of 5 ppb in the water fraction. MTBE partitions easily into the water (partition coefficient is approximately 10 which means that for every 10 ppb of MTBE in the fuel 1 ppb would be found in the water fraction). From this we can estimate the concentration of MTBE in the fuel to be about 50 ppb. Benzene was detected at a concentration of 15 ppb, toluene at 5 ppb, ethylbenzene at 69 ppb, and total xylenes at 24 ppb. Partition coefficients for these compounds in jet fuel are 300 for benzene, 200 for toluene, 3,000 for ethylbenzene, and 3,000 for total xylenes. Estimates of the respective concentrations in the LNAPL were calculated from the water fraction results, using the partition coefficients of 300, 200, 3,000, and 3,000, respectively. The estimated results are benzene and toluene at 4,000 ppb each, ethylbenzene at 200,000 ppb and total xylenes at 70,000 ppb. The partition results for benzene, toluene, and ethylbenzene match the non-detects from the straight LNAPL analysis (< 10,000 ppb

²Johnson, Paul, Lundegrad, Paul, Liu, Zhuang, "Source Zone Natural Attenuation at Petroleum Hydrocarbon Spill Sites-I and -II," Ground Water Monitoring and Remediation, V26, N4, Fall 20006, pp 82-106.



benzene and toluene, < 270,000 ppb ethylbenzene). The result for total xylenes is slightly higher than the result from the straight run (44,000 ppb).

The ratio of ethylbenzene to total xylenes can be used to determine whether or not a LNAPL has been anaerobically biodegraded. A ratio greater than 0.25 indicates that anaerobic biodegradation has taken place; a ratio of less than 0.25 indicates that the LNAPL has not undergone anaerobic biodegradation. The ethylbenzene to total xylenes ratio in the partition analysis for the Well ASE-107A LNAPL sample is 2.9, indicating that the aromatic components of the jet fuel, toluene and xylenes, have undergone substantial anaerobic biodegradation³.

Should you have any questions or comments, please feel free to call Jim Smith (610-383-7233) or me (302-992-9737) at your convenience.

Best regards,

A handwritten signature in black ink, appearing to read "Denise A. Shepperd".

Denise A. Shepperd
Quality Assessment Manager

DAS/hrs
Enclosures

cc: Jim Smith, Trillium, Inc.
Bob Frank, CH2M Hill

³Smith, James S., DeWitt, Grant, Released Hydrocarbons - Aerobically or Anaerobically Biodegraded, National Ground Water Association, Ground Water and Environmental Law Conference, July 6-7, 2006.

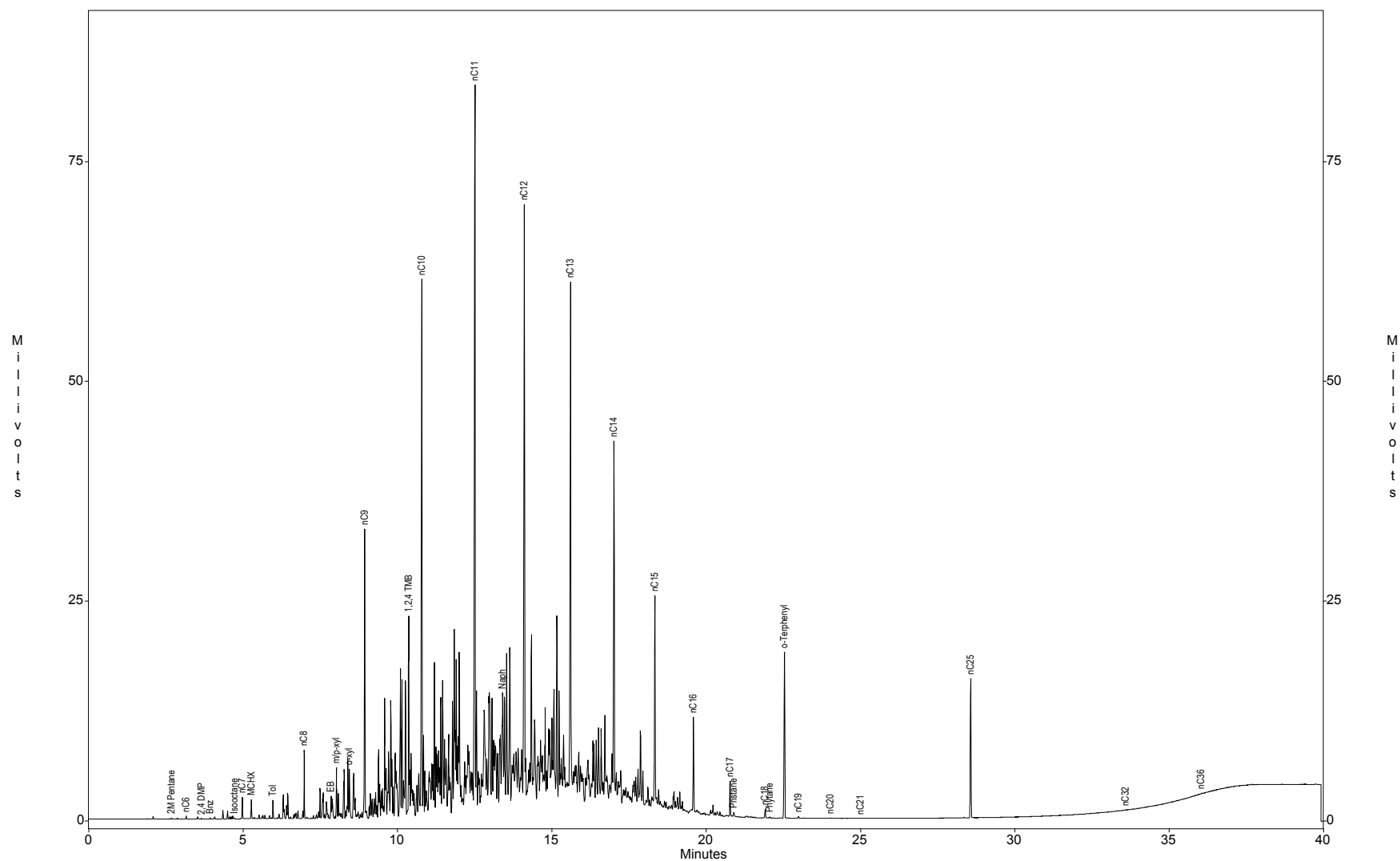
**Attachment A
Chromatograms**

Allied Signal

Sample ID : Jet Fuel A

Acquired : May 03, 1999 16:25:06

c:\ezchrom\chrom\99053\jet-a -- Channel A

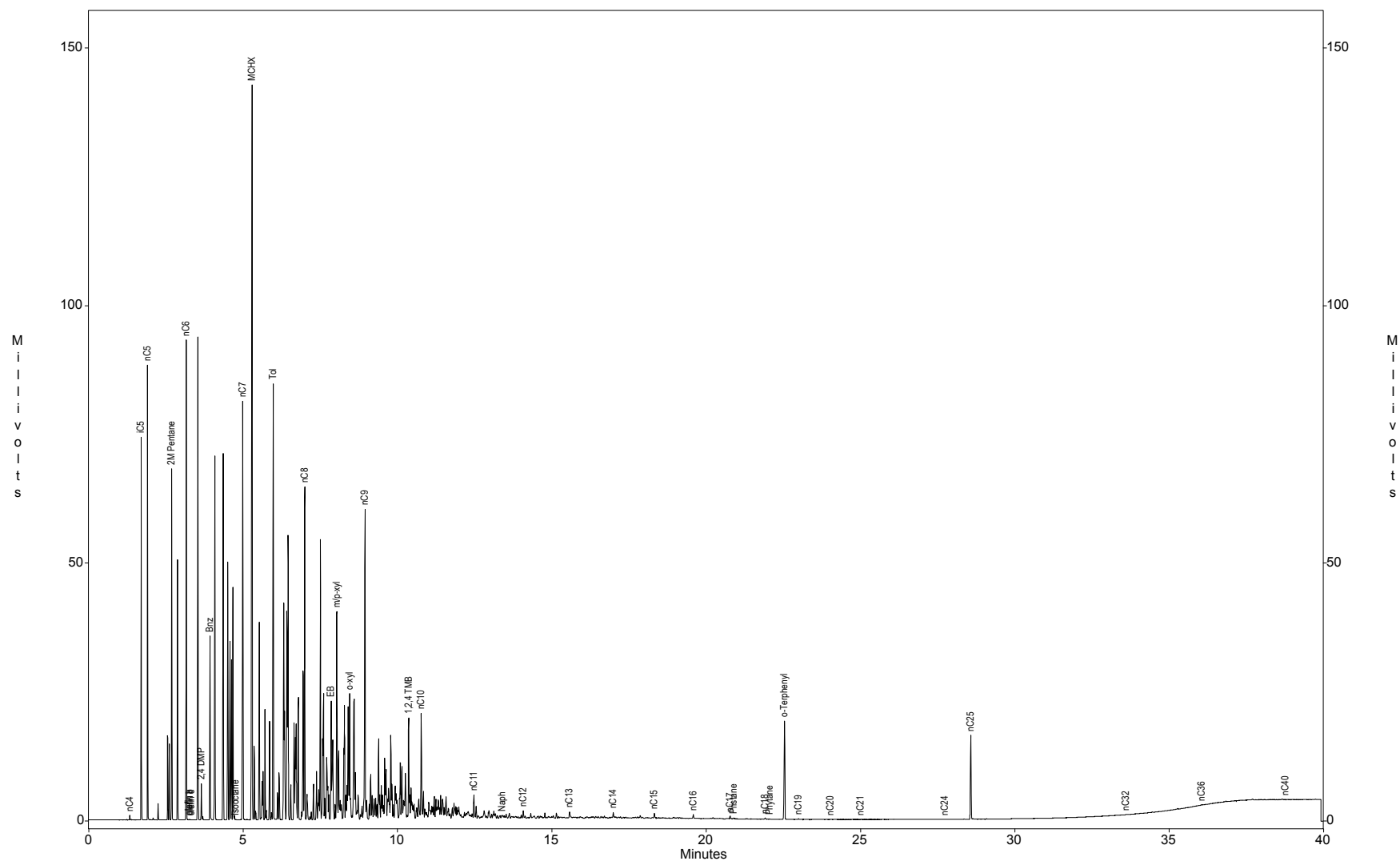


Allied Signal

Sample ID : JP-4 Military Fuel

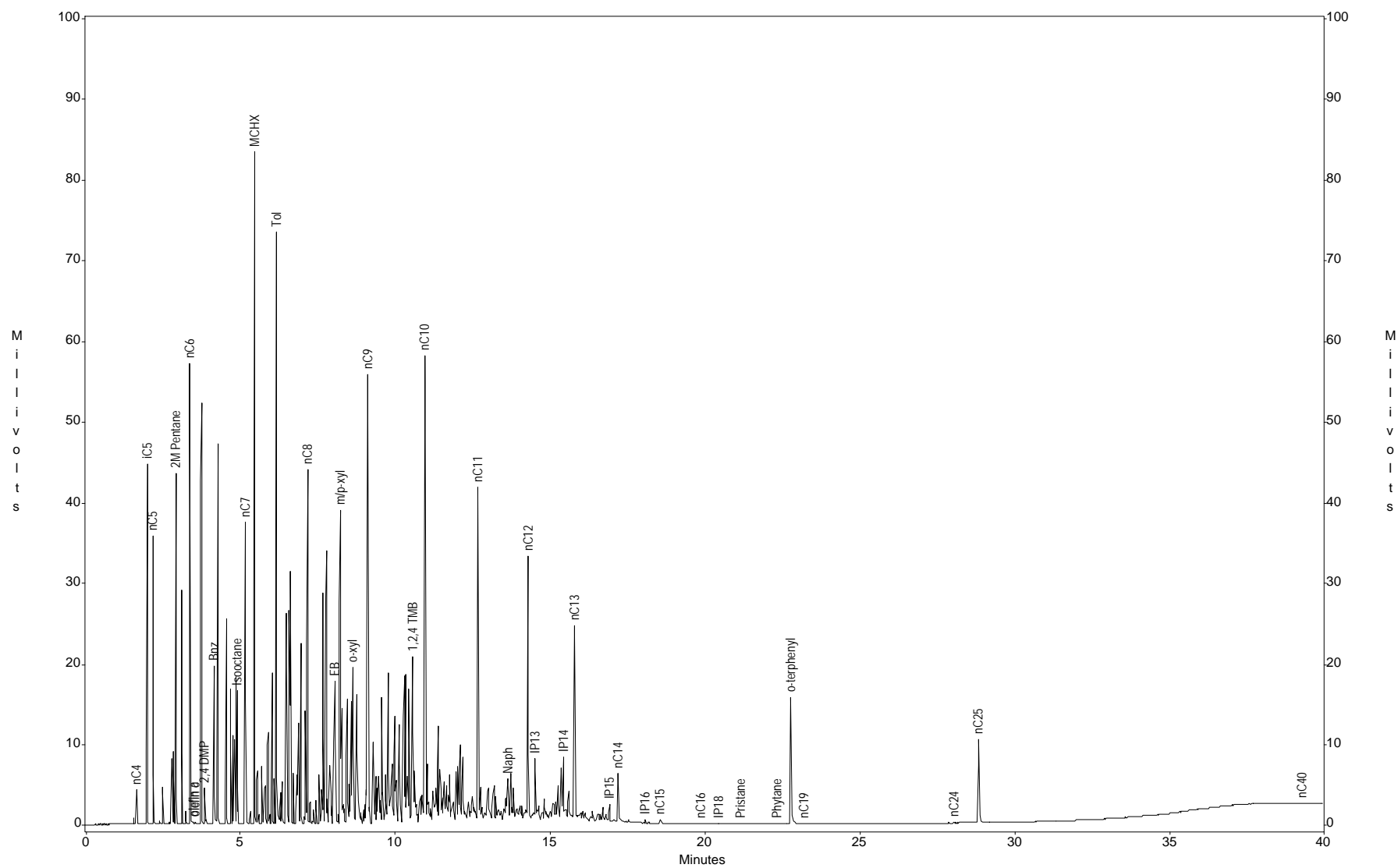
Acquired : May 03, 1999 17:15:45

c:\ezchrom\chrom\99053\jp-4 -- Channel A



Honeywell Project
Sample ID : ASE-111B-5C2
Acquired : Jul 08, 2005 13:34:46

c:\ezchrom\chrom\05092\111b-5c2 -- Channel A

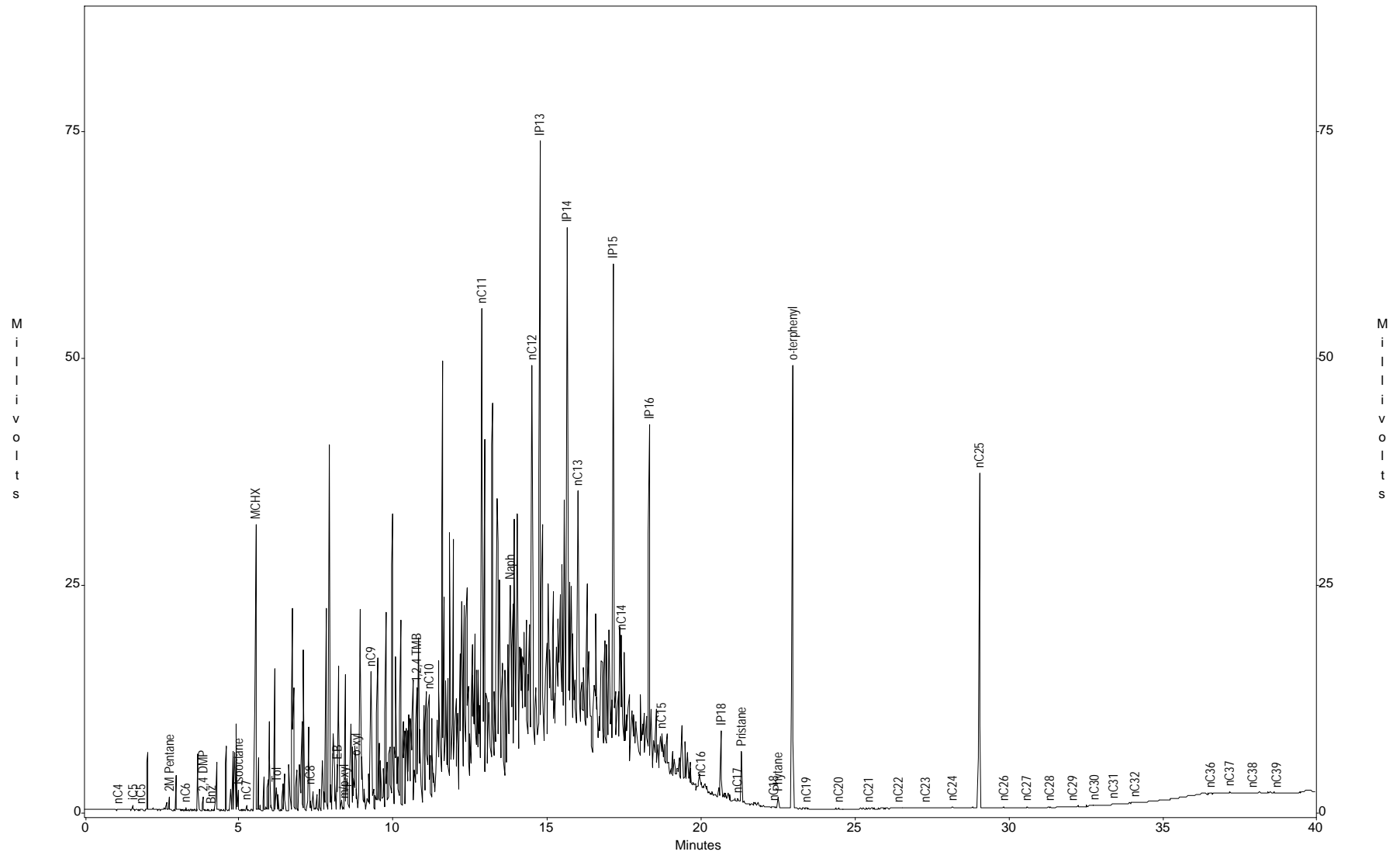


Honeywell Project

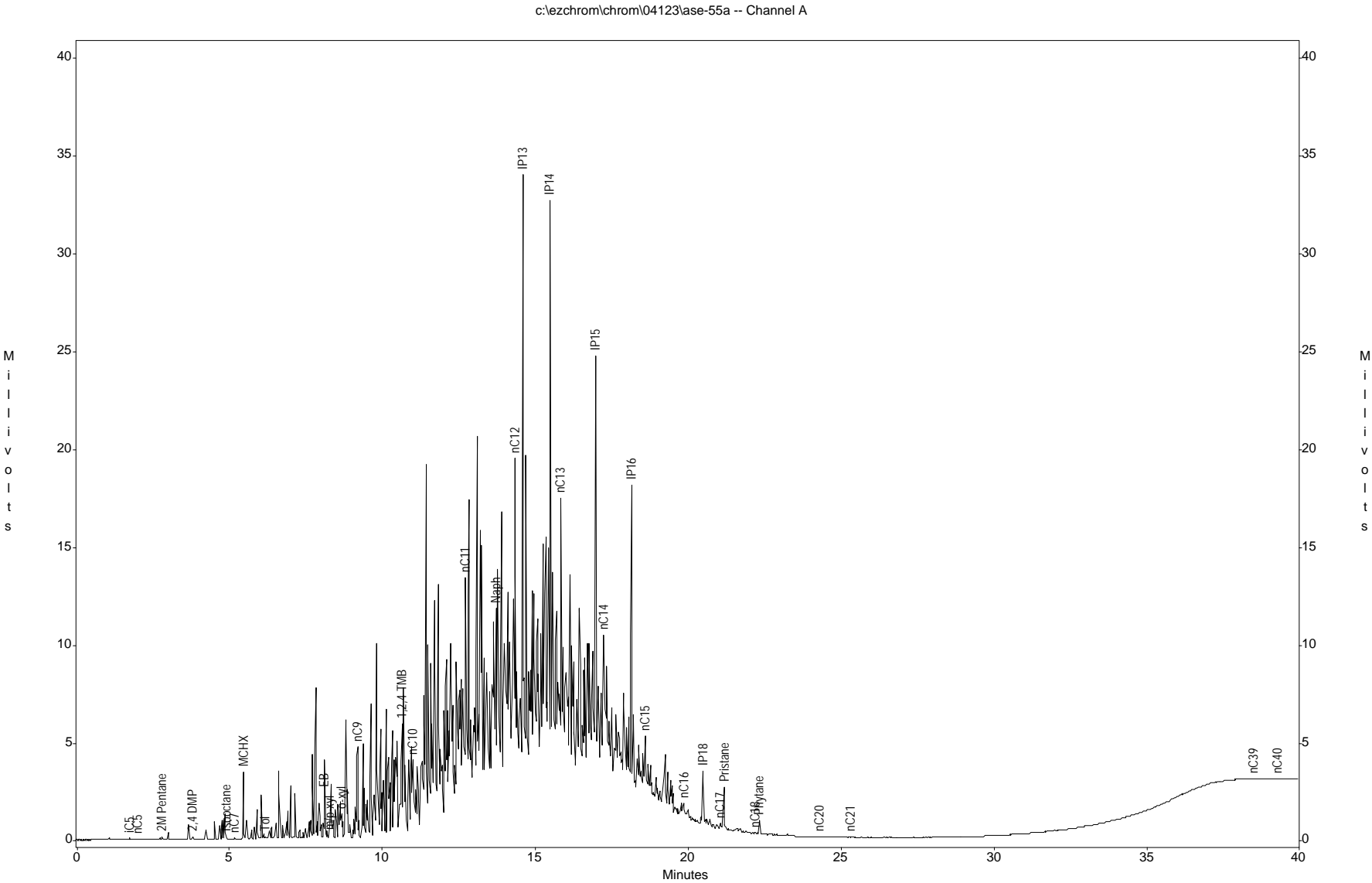
Sample ID : ASE-107A-6D1

Acquired : Nov 03, 2006 16:12:25

c:\ezchrom\chrom\06158\107a6d1.3 -- Channel A

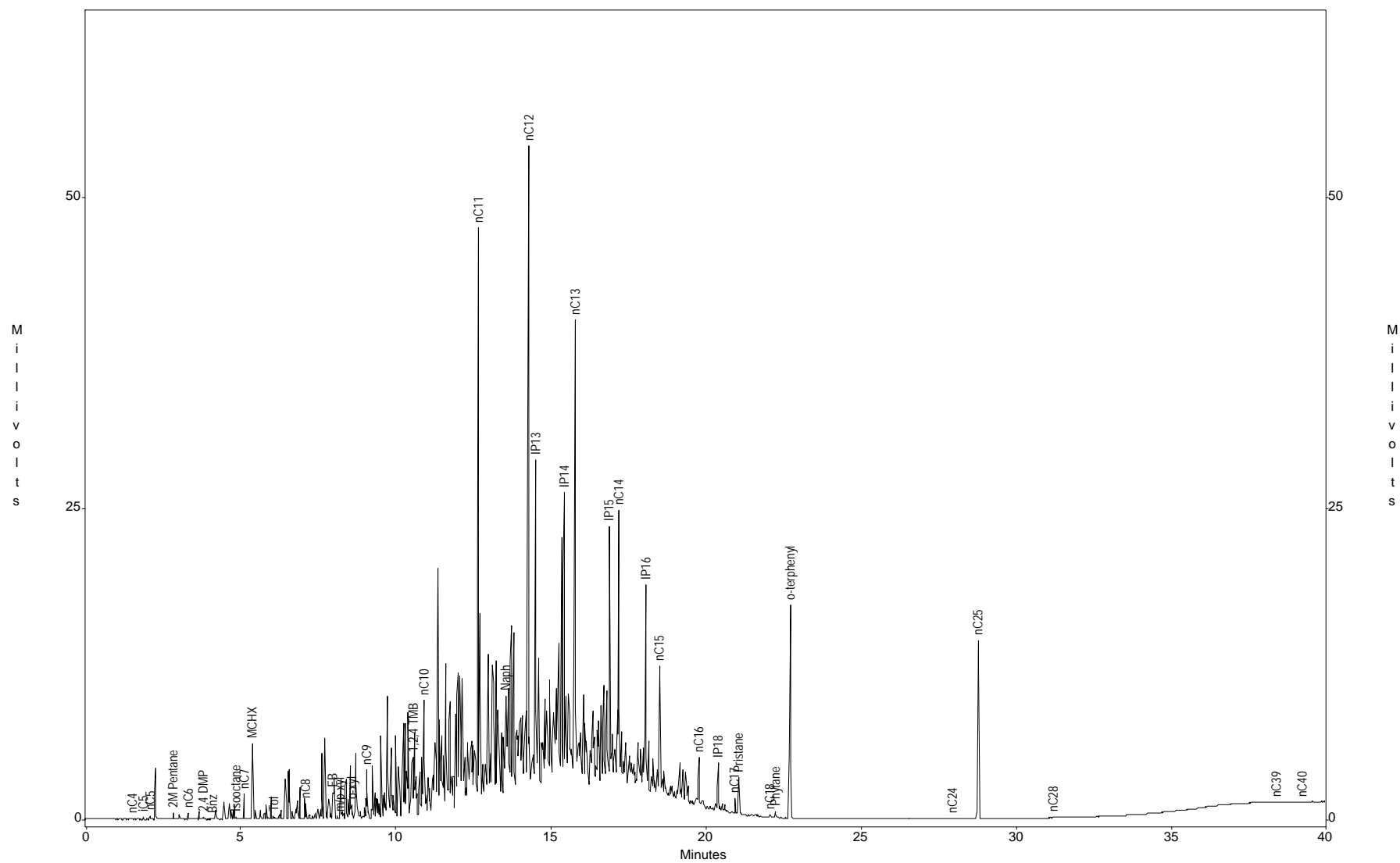


Honeywell Project
Sample ID : ASE-55A-4B2
Acquired : May 12, 2004 12:48:08



Honeywell Project
Sample ID : ASE-51A
Acquired : Jan 10, 2002 10:39:55

c:\ezchrom\chrom\02009\ase-51a -- Channel A





11/21/2006

Trillium, Inc.
2014 Carol Drive
Wilmington, DE 19808

STL Edison

777 New Durham Road
Edison, NJ 08817

Tel 732 549 3900 Fax 732 549 3679
www.stl-inc.com

Attention: Ms. Dee Shepperd

Laboratory Results
Job No. Z294 - Sky Harbor

Dear Ms. Shepperd:

Enclosed are the results you requested for the following sample(s) received at our laboratory on November 3, 2006.

<u>Lab No.</u>	<u>Client ID</u>	<u>Analysis Required</u>
783079	ASE-107A-6D1	TCL VOA

If you have any questions please contact your Project Manager, Rui Macieira, at (732) 549-3900.

Very Truly Yours,

A handwritten signature in black ink that reads "Michael L. Urban".

Michael Urban
Laboratory Manager

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Analytical Results Summary

Client ID: ASE-107A-6D1
Site: Sky Harbor

Lab Sample No: 783079
Lab Job No: Z294

Date Sampled: 11/02/06
Date Received: 11/03/06
Date Analyzed: 11/14/06
GC Column: Rtx-VMS
Instrument ID: VOAMS8.i
Lab File ID: j70253.d

Matrix: ORGANIC
Level: HIGH
Sample Weight: 0.5 g
Methanol Ext. Volume: 10.0 ml
Ext. Dilution Factor: 500.0
% Moisture: 0

VOLATILE ORGANICS - GC/MS
METHOD 8260B

<u>Parameter</u>	Analytical Results	Quantitation
	Units: ug/kg	Limit Units: ug/kg
Chloromethane	ND	50000
Bromomethane	ND	50000
Vinyl Chloride	ND	50000
Chloroethane	ND	50000
Methylene Chloride	ND	30000
Acetone	ND	50000
Carbon Disulfide	ND	50000
Trichlorofluoromethane	ND	50000
1,1-Dichloroethene	ND	20000
1,1-Dichloroethane	ND	50000
trans-1,2-Dichloroethene	ND	50000
cis-1,2-Dichloroethene	ND	50000
Chloroform	ND	50000
1,2-Dichloroethane	ND	20000
2-Butanone	ND	50000
1,1,1-Trichloroethane	ND	50000
Carbon Tetrachloride	ND	20000
Bromodichloromethane	ND	10000
1,2-Dichloropropane	ND	10000
cis-1,3-Dichloropropene	ND	50000
Trichloroethene	ND	10000
Dibromochloromethane	ND	50000
1,1,2-Trichloroethane	ND	30000
Benzene	ND	10000
trans-1,3-Dichloropropene	ND	50000
Bromoform	ND	40000
4-Methyl-2-Pentanone	ND	50000
2-Hexanone	ND	50000
Tetrachloroethene	ND	10000
1,1,2,2-Tetrachloroethane	ND	10000
Toluene	ND	50000
Chlorobenzene	ND	50000
Ethylbenzene	270000	40000
Styrene	ND	50000

Client ID: ASE-107A-6D1
Site: Sky Harbor

Lab Sample No: 783079
Lab Job No: Z294

Date Sampled: 11/02/06
Date Received: 11/03/06
Date Analyzed: 11/14/06
GC Column: Rtx-VMS
Instrument ID: VOAMS8.i
Lab File ID: j70253.d

Matrix: ORGANIC
Level: HIGH
Sample Weight: 0.5 g
Methanol Ext. Volume: 10.0 ml
Ext. Dilution Factor: 500.0
% Moisture: 0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 8260B

<u>Parameter</u>	Analytical Results Units: ug/kg	Quantitation Limit <u>Units: ug/kg</u>
Xylene (Total)	44000 J	50000
Freon TF	ND	50000
Dichlorodifluoromethane	ND	50000

General Information

Chain of Custody

h
2
4

Laboratory Chronicles

**INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison**

**777 New Durham Road, Edison, New Jersey
08817**

Job No: Z294

Site: Sky Harbor

Client: Trillium, Inc.

VOAMS

ORGANIC - 8260B

Lab Sample ID	Date Sampled	Date Received	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
783079	11/2/2006	11/3/2006			11/14/2006	Martinez, Eddie	1084

Methodology Review

Analytical Methodology Summary

Volatile Organics:

Unless otherwise specified, water samples are analyzed for volatile organics by purge and trap GC/MS as specified in EPA Method 624. Drinking water samples are analyzed by EPA Method 524.2 Rev 4.1. Solid samples are analyzed for volatile organics as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8260B.

Acid and Base/Neutral Extractable Organics:

Unless otherwise specified, water samples are analyzed for acid and/or base/neutral extractable organics by GC/MS in accordance with EPA Method 625. Solids are analyzed for acid and/or base/neutral extractable organics as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8270C.

GC/MS Nontarget Compound Analysis:

Analysis for nontarget compounds is conducted, upon request, in conjunction with GC/MS analyses by EPA Methods 624, 625, 8260B and 8270C. Nontarget compound analysis is conducted using a forward library search of the EPA/NIH/NBS mass spectral library of compounds at the greatest apparent concentration (10% or greater of the nearest internal standard) in each organic fraction (15 for volatile, 15 for base/neutrals and 10 for acid extractables).

Organochlorine Pesticides and PCBs:

Unless otherwise specified, water samples are analyzed for organochlorine pesticides and PCBs by dual column gas chromatography with electron capture detectors as specified in EPA Method 608. Solid samples are analyzed as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8081A for organochlorine pesticides and Method 8082 for PCBs.

Total Petroleum Hydrocarbons:

Water samples are analyzed for petroleum hydrocarbons by I.R. using EPA Method 418.1. Solid samples are prepared for analysis by soxhlet extraction consistent with the March 1990 N.J. DEP "Remedial Investigation Guide" Appendix A, page 52, and analyzed by U.S. EPA Method 418.1

Metals Analysis:

Metals analyses are performed by any of four techniques specified by a Method Code provided on each data report page, as follows:

P - Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP)

A - Flame Atomic Absorption

F - Furnace Atomic Absorption

CV - Manual Cold Vapor (Mercury)

Water samples are digested and analyzed using EPA methods provided in "Methods for Chemical Analysis of Water and Wastewater" (EPA 600/4-79-020). Solid samples are analyzed as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition); samples are digested according to Method 3050B "Acid Digestion of Soil, Sediments and Sludges."

Specific method references for ICP analyses are water Method - 200.7/SW846 6010B and for solid matrix - 6010B. Mercury analyses are conducted by the manual cold vapor technique specified by water Method 245.1/7470A and solid Method 7471A. Other specific Atomic Absorption method references are as follows:

<u>Element</u>	<u>Water Test Method Furnace</u>	<u>Solid Test Method Furnace</u>
Antimony	200.9	7041
Arsenic	200.9	7060A
Cadmium	200.9	7131A
Lead	200.9	7421
Selenium	200.9	7740
Thallium	200.9	7841

Cyanide:

Water samples are analyzed for cyanide using EPA Method 335.3. Cyanide is determined in solid samples as specified in the EPA Contract Laboratory Program IFB dated July 1988, revised February 1989.

Phenols:

Water samples are analyzed for total phenols using EPA Method 420.2. Total phenols are determined in water and solid samples by preparing the sample as outlined in the EPA Contract Laboratory Program IFB for cyanide, followed by a phenols determination using EPA Method 420.1.

Hexavalent Chromium:

Water samples are analyzed using EPA Method 7196A, EPA Method 7199 or (upon request) USGS -1230-35. Soil samples are subjected to alkaline digestion via EPA Method 3060A prior to analysis by EPA Method 7196A or EPA Method 7199.

Cleanup of Semivolatile Extracts:

Upon request Method 3611B Alumina Column Cleanup and/or Method 3650B Acid-Base Partition Cleanup are performed to improve detection limits by the removal of saturated hydrocarbon interferences.

Hazardous Waste Characteristics:

Samples for hazardous waste characteristics are analyzed as specified in the U.S. EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition). Specific method references are as follows:

- Ignitability - Method 1020A
- Corrosivity - Water pH Method 9040B
Soil pH Method 9045C
- Reactivity - Chapter 7, Section 7.3.3 and 7.3.4
respectively for hydrogen cyanide and
hydrogen sulfide release
- Toxicity - TCLP Method 1311

Miscellaneous Parameters:

Additional analyses performed on both aqueous and solid samples are in accordance with methods published in the following references:

- Test Methods for Evaluating Solid Wastes, SW-846 3rd Edition, November 1986.
- Standard Methods for the Examination of Water and Wastewater, 18th Edition.
- Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, 1979.

Data Reporting Qualifiers

DATA REPORTING QUALIFIERS

- ND - The compound was not detected at the indicated concentration.
- J - Mass spectral data indicates the presence of a compound that meets the identification criteria. The result is less than the specified detection limit but greater than zero. The concentration given is an approximate value.
- B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.
- P - For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.
- * - For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.

Non-Conformance Summary



Nonconformance Summary

STL Edison Job Number: Z294

Client: Trillium, Inc.

Date: 11/20/2006

Sample Receipt:

Cooler temperature at receipt was outside the acceptable range of 0-6 deg C. Actual sample temperature was 26 deg C.

Volatile Organic Analysis (GC/MS):

QA batch 1084: MS/MSD % recovery of 1,2-Dichloropropane is outside of Q.C. limits due to matrix interference (Blank Spike recovery is within QC limits). Ethylbenzene and Isopropylbenzene sample amounts too high for spike level.

I certify that the test results contained in this data package meet all requirements of NELAC both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

A handwritten signature in black ink that reads 'Michael J. Urban'.

Michael J. Urban
Laboratory Manager

GC/MS Forms and Data (Volatiles)

Results Summary and Chromatograms

Client ID: ASE-107A-6D1
Site: Sky Harbor

Lab Sample No: 783079
Lab Job No: Z294

Date Sampled: 11/02/06
Date Received: 11/03/06
Date Analyzed: 11/14/06
GC Column: Rtx-VMS
Instrument ID: VOAMS8.i
Lab File ID: j70253.d

Matrix: ORGANIC
Level: HIGH
Sample Weight: 0.5 g
Methanol Ext. Volume: 10.0 ml
Ext. Dilution Factor: 500.0
% Moisture: 0

**VOLATILE ORGANICS - GC/MS
METHOD 8260B**

<u>Parameter</u>	Analytical Results	Quantitation
	Units: ug/kg	Limit Units: ug/kg
Chloromethane	ND	50000
Bromomethane	ND	50000
Vinyl Chloride	ND	50000
Chloroethane	ND	50000
Methylene Chloride	ND	30000
Acetone	ND	50000
Carbon Disulfide	ND	50000
Trichlorofluoromethane	ND	50000
1,1-Dichloroethene	ND	20000
1,1-Dichloroethane	ND	50000
trans-1,2-Dichloroethene	ND	50000
cis-1,2-Dichloroethene	ND	50000
Chloroform	ND	50000
1,2-Dichloroethane	ND	20000
2-Butanone	ND	50000
1,1,1-Trichloroethane	ND	50000
Carbon Tetrachloride	ND	20000
Bromodichloromethane	ND	10000
1,2-Dichloropropane	ND	10000
cis-1,3-Dichloropropene	ND	50000
Trichloroethene	ND	10000
Dibromochloromethane	ND	50000
1,1,2-Trichloroethane	ND	30000
Benzene	ND	10000
trans-1,3-Dichloropropene	ND	50000
Bromoform	ND	40000
4-Methyl-2-Pentanone	ND	50000
2-Hexanone	ND	50000
Tetrachloroethene	ND	10000
1,1,2,2-Tetrachloroethane	ND	10000
Toluene	ND	50000
Chlorobenzene	ND	50000
Ethylbenzene	270000	40000
Styrene	ND	50000

Client ID: ASE-107A-6D1
Site: Sky Harbor

Lab Sample No: 783079
Lab Job No: Z294

Date Sampled: 11/02/06
Date Received: 11/03/06
Date Analyzed: 11/14/06
GC Column: Rtx-VMS
Instrument ID: VOAMS8.i
Lab File ID: j70253.d

Matrix: ORGANIC
Level: HIGH
Sample Weight: 0.5 g
Methanol Ext. Volume: 10.0 ml
Ext. Dilution Factor: 500.0
% Moisture: 0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 8260B

<u>Parameter</u>	<u>Analytical Results</u> Units: ug/kg	<u>Quantitation</u> Limit Units: ug/kg
Xylene (Total)	44000 J	50000
Freon TF	ND	50000
Dichlorodifluoromethane	ND	50000

Data File: /chem/VOAMS8.i/8260HIGH_SP/10-24-06/14nov06.b/j70253.d
Report Date: 17-Nov-2006 23:09

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS8.i/8260HIGH_SP/10-24-06/14nov06.b/j70253.d
Lab Smp Id: 783079 Client Smp ID: ASE-107A-6D1
Inj Date : 14-NOV-2006 19:10
Operator : VOAMS 3 Inst ID: VOAMS8.i
Smp Info : 783079;500;;0.5;10
Misc Info : Z294;1084;;EM
Comment :
Method : /chem/VOAMS8.i/8260HIGH_SP/10-24-06/14nov06.b/8260H_06.m
Meth Date : 14-Nov-2006 16:24 eddie Quant Type: ISTD
Cal Date : 24-OCT-2006 21:17 Cal File: j69791.d
Als bottle: 6
Dil Factor: 500.00000
Integrator: HP RTE
Target Version: 3.50

Compound Sublist: HSL_freons.sub

Concentration Formula: Amt * DF * (Vt/Ws)/((100-M)/100) * CpndVariable

Name	Value	Description
DF	500.00000	Dilution Factor
Vt	10.00000	Volume of final extract (mL)
Ws	0.50000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/L)	FINAL (ug/Kg)
\$ 16 1,2-Dichloroethane-d4 (SUR)	65	7.203	7.226	(0.942)	36928	3.55226	36000
* 19 Fluorobenzene	96	7.649	7.660	(1.000)	1969640	50.0000	
\$ 37 Toluene-d8 (SUR)	98	9.472	9.511	(0.858)	823283	34.5006	340000(R)
* 32 Chlorobenzene-d5	117	11.039	11.040	(1.000)	1333304	50.0000	
40 Ethylbenzene	106	11.157	11.163	(1.011)	261334	26.6462	270000
43 m+p-Xylene	106	11.276	11.271	(1.021)	57781	4.40031	44000(a)
\$ 41 Bromofluorobenzene (SUR)	174	12.189	12.183	(0.914)	57636	5.97284	60000
* 91 1,4-Dichlorobenzene-d4	152	13.340	13.357	(1.000)	612048	50.0000	
M 45 Xylene (Total)	100				57781	4.45852	44000(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Sure confirmed by ms/msd

Data File: /chem/VOAHS8.i/8260HIGH_SP/10-24-06/14nov06.b/j70253.d

Date : 14-NOV-2006 19:10

Client ID: ASE-107A-6D1

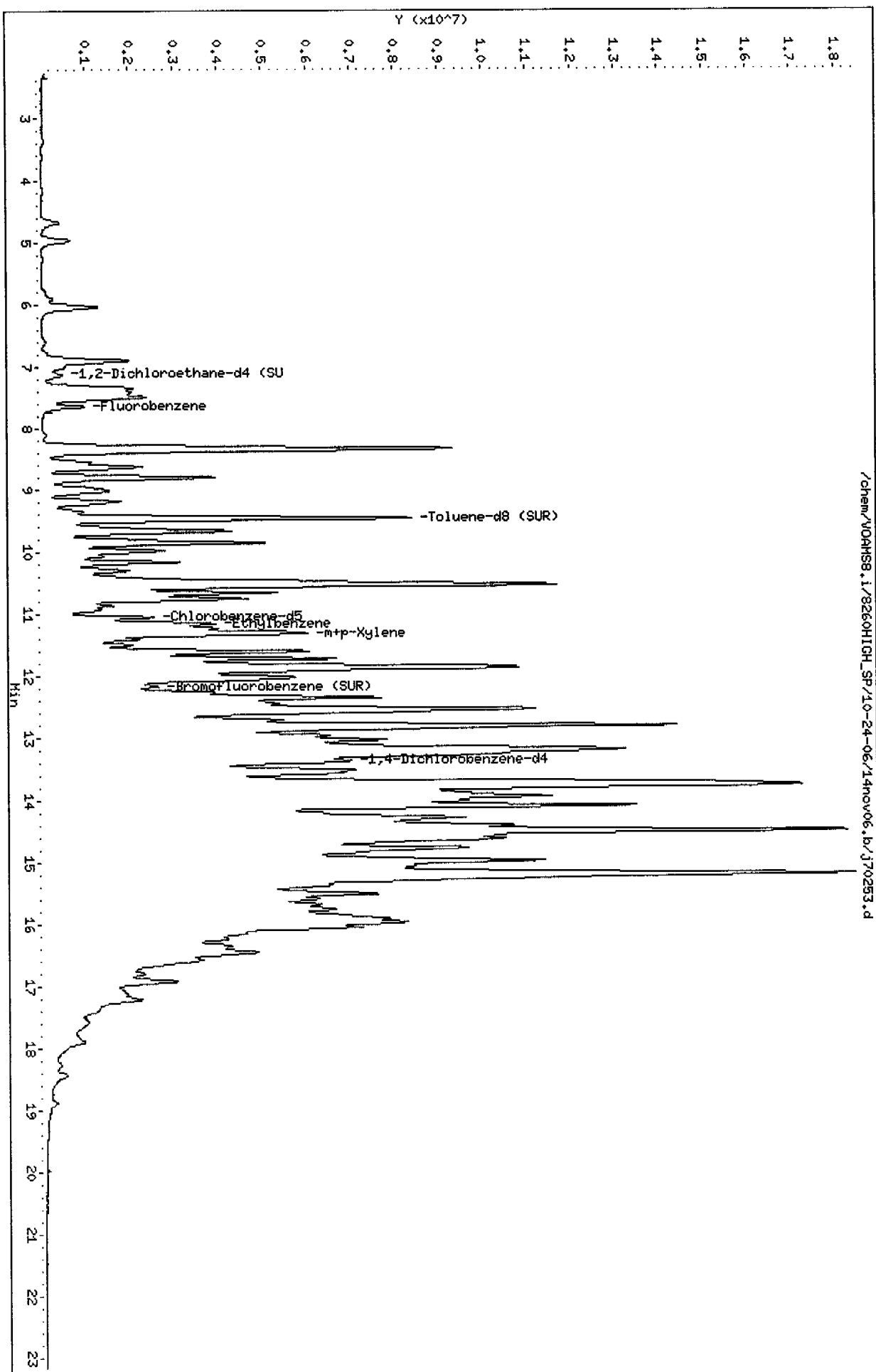
Sample Info: 783079;500;10.5;10

Column phase: Rtx-VHS

Instrument: VOAHS8.1

Operator: VOAHS 3

Column diameter: 0.18



Data File: /chem/VOAMS8.i/8260HIGH_SP/10-24-06/14nov06.b/j70253.d

Date : 14-NOV-2006 19:10

Client ID: ASE-107A-6D1

Instrument: VOAMS8.i

Sample Info: 783079;500;;0.5;10

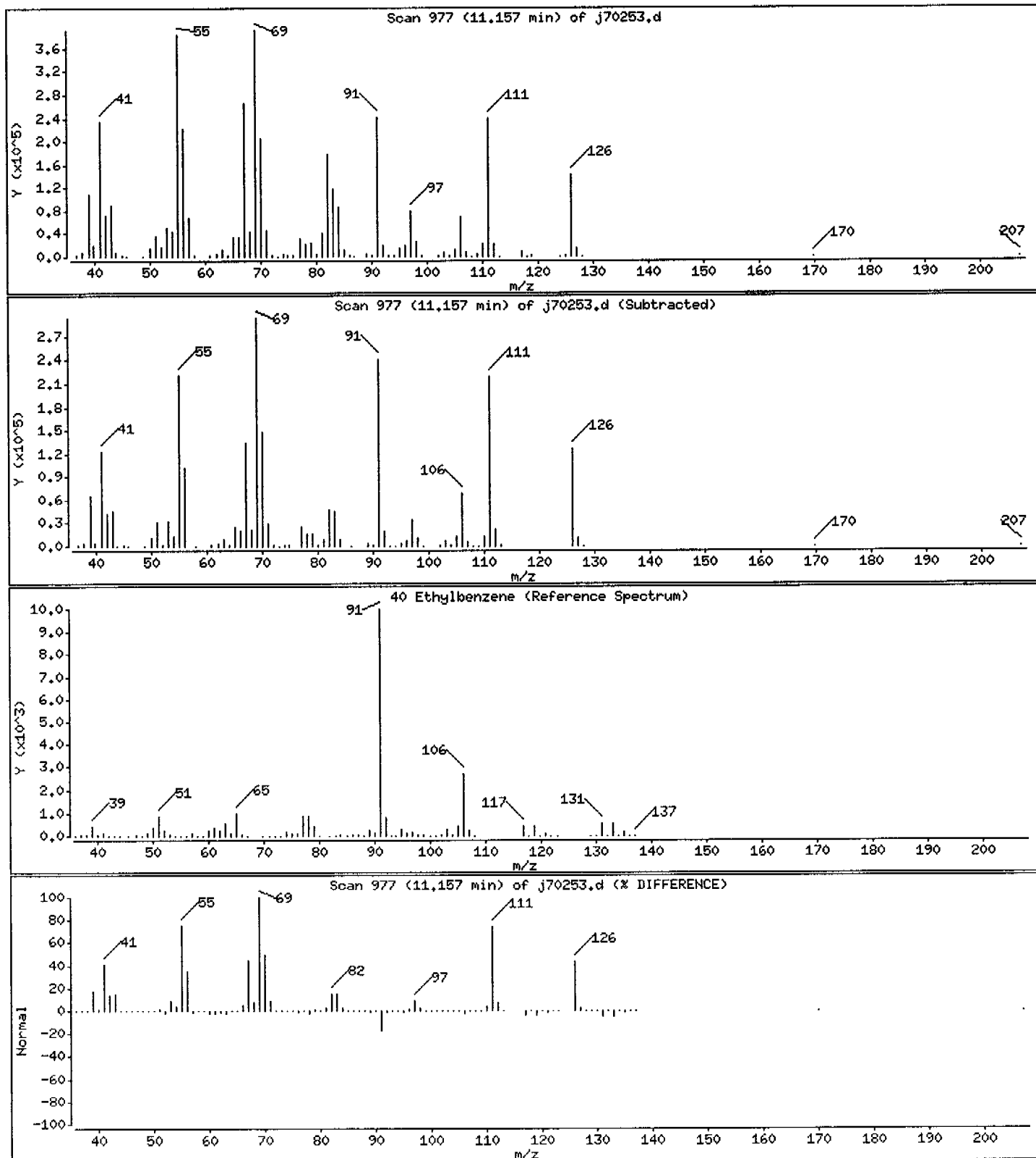
Operator: VOAMS 3

Column phase: Rtx-VMS

Column diameter: 0.18

40 Ethylbenzene

Concentration: 270000 ug/Kg



Data File: /chem/VOAMS8.i/8260HIGH_SP/10-24-06/14nov06.b/j70253.d

Date : 14-NOV-2006 19:10

Client ID: ASE-107A-6D1

Instrument: VOAMS8.i

Sample Info: 783079;500;;0.5;10

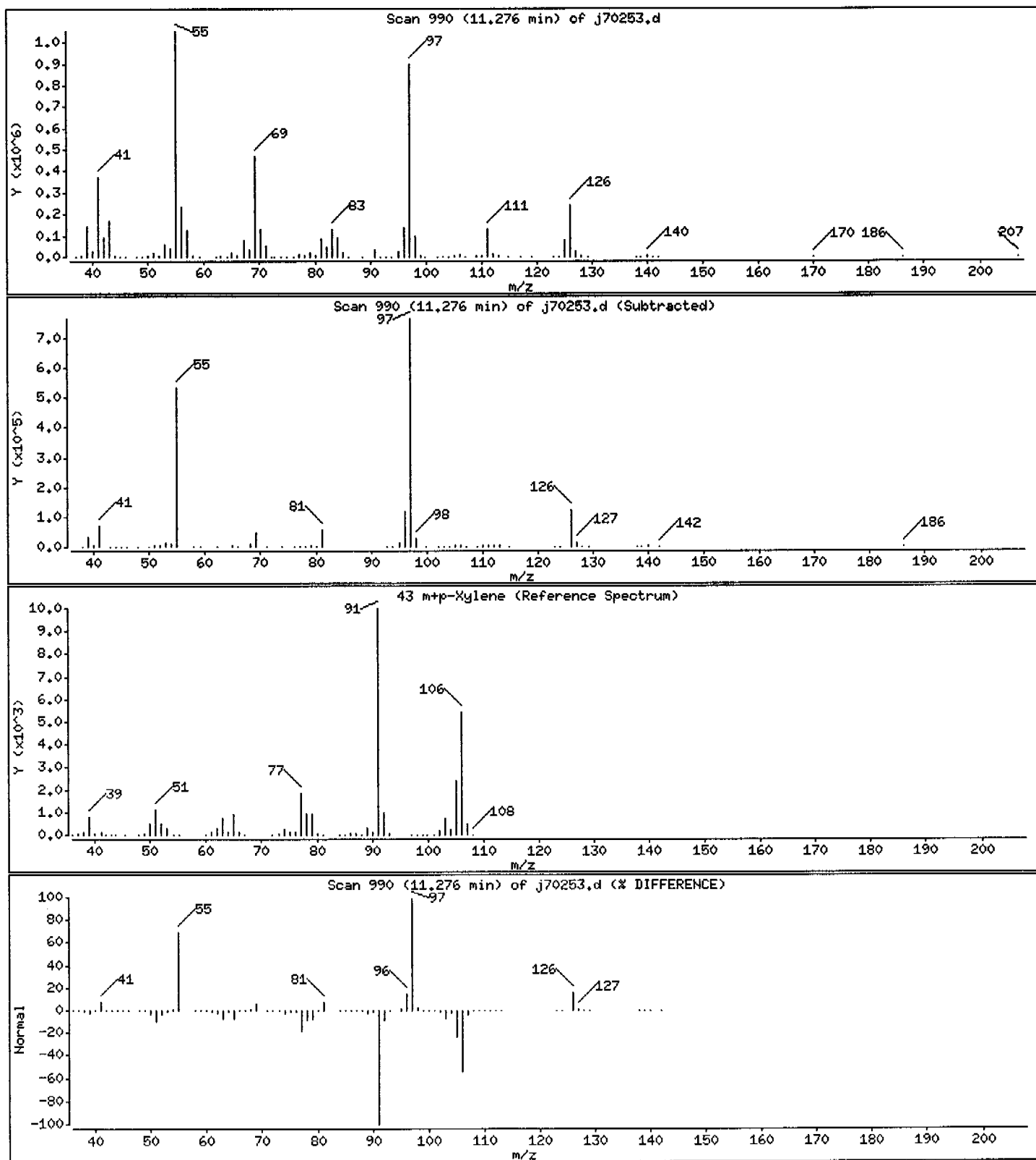
Operator: VOAMS 3

Column phase: Rtx-VMS

Column diameter: 0.18

43 m+p-Xylene

Concentration: 44000 ug/Kg



Tuning Results Summary

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab File ID: J69782

BFB Injection Date: 10/24/06

Instrument ID: VOAMS8

BFB Injection Time: 1337

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.2
75	30.0 - 60.0% of mass 95	40.9
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.3 (0.4)1
174	50.0 - 100.0% of mass 95	63.3
175	5.0 - 9.0% of mass 174	4.8 (7.6)1
176	95.0 - 101.0% of mass 174	62.8 (99.3)1
177	5.0 - 9.0% of mass 176	4.2 (6.7)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE No.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	JSTD010	JSTD010	J69785	10/24/06	1456
02	JSTD020	JSTD020	J69786	10/24/06	1521
03	JSTD050	JSTD050	J69787	10/24/06	1547
04	JSTD100	JSTD100	J69788	10/24/06	1612
05	JSTD200	JSTD200	J69789	10/24/06	1638
06	JSTD005	JSTD005	J69791	10/24/06	2117
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

Date : 24-OCT-2006 13:37

Client ID:

Instrument: VOAMS8.i

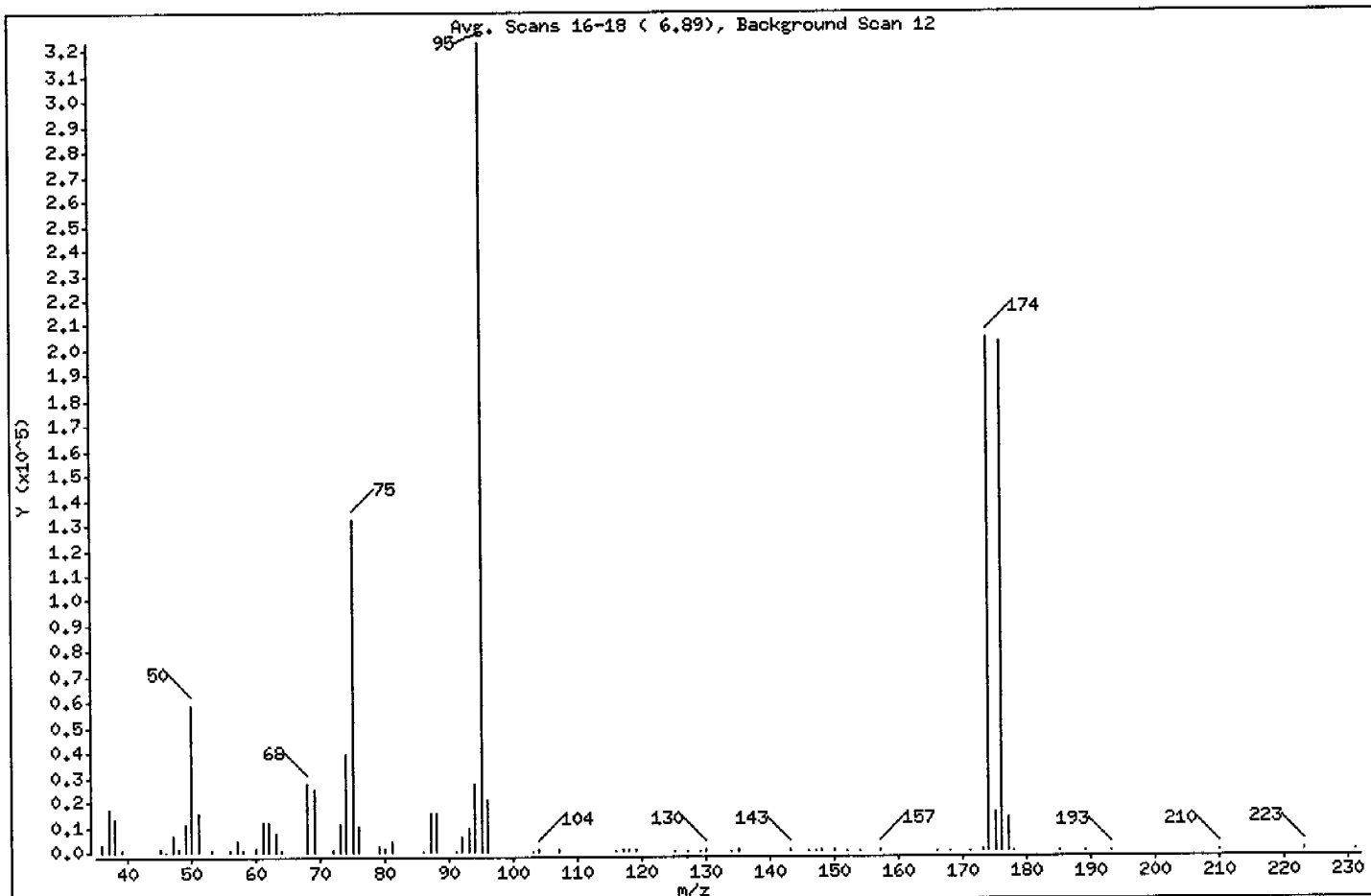
Sample Info: JBFB297

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53

1 Bromofluorobenzene



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	18.17
75	30.00 - 60.00% of mass 95	40.92
96	5.00 - 9.00% of mass 95	6.37
173	Less than 2.00% of mass 174	0.27 (0.42)
174	50.00 - 100.00% of mass 95	63.25
175	5.00 - 9.00% of mass 174	4.80 (7.60)
176	95.00 - 101.00% of mass 174	62.78 (99.26)
177	5.00 - 9.00% of mass 176	4.23 (6.74)

Date : 24-OCT-2006 13:37

Client ID:

Instrument: VOAMS8.i

Sample Info: JBFB297

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53

Data File: j69782.d

Spectrum: Avg. Scans 16-18 (6.89), Background Scan 12

Location of Maximum: 95.00

Number of points: 75

m/z	Y	m/z	Y	m/z	Y	m/z	Y

36.00	2808	64.00	567	96.00	20608	152.00	38
37.00	17104	68.00	27160	103.00	304	154.00	112
38.00	13416	69.00	25608	104.00	1033	157.00	822
39.00	783	72.00	768	107.00	610	166.00	206
45.00	1454	73.00	10927	116.00	290	168.00	321

46.00	181	74.00	39496	117.00	791	171.00	229
47.00	6356	75.00	132288	118.00	915	173.00	857
48.00	1808	76.00	10352	119.00	797	174.00	204544
49.00	11080	79.00	2369	125.00	106	175.00	15538
50.00	58760	80.00	1195	127.00	127	176.00	203008

51.00	15510	81.00	4107	129.00	144	177.00	13676
53.00	415	86.00	263	130.00	923	178.00	89
56.00	619	87.00	15263	134.00	203	185.00	62
57.00	4170	88.00	15370	135.00	608	189.00	184
58.00	583	91.00	273	143.00	894	193.00	203

60.00	1651	92.00	5831	146.00	178	210.00	198
61.00	11731	93.00	9295	147.00	18	223.00	588
62.00	11938	94.00	27304	148.00	670	231.00	217
63.00	7588	95.00	323328	150.00	452		

Date : 24-OCT-2006 13:37

Client ID:

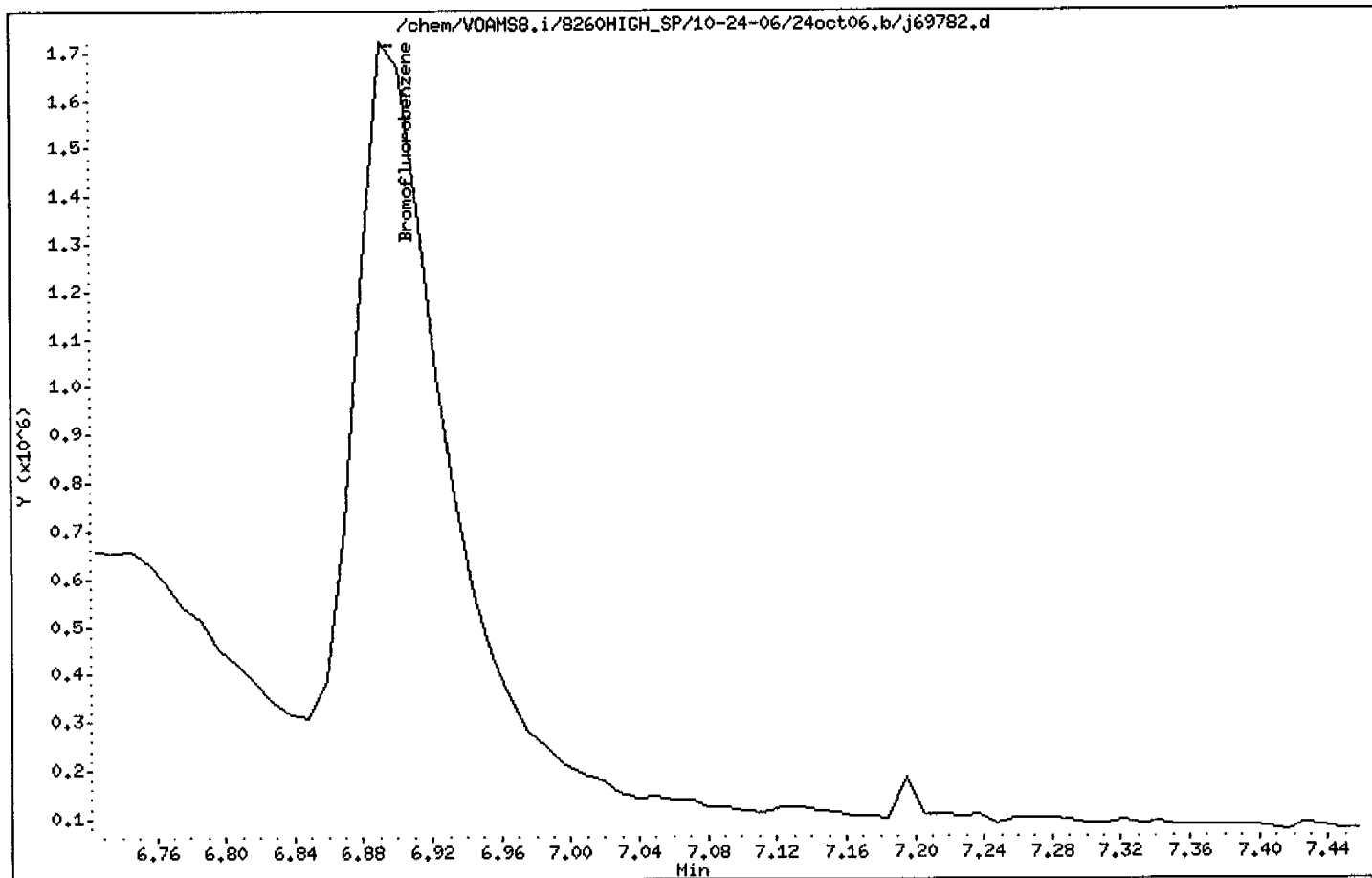
Instrument: VOAMS8.i

Sample Info: JBFB297

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53



VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab File ID: J70246

BFB Injection Date: 11/14/06

Instrument ID: VOAMS8

BFB Injection Time: 1515

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	15.1
75	30.0 - 60.0% of mass 95	40.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.3 (0.4)1
174	50.0 - 100.0% of mass 95	70.2
175	5.0 - 9.0% of mass 174	4.4 (6.2)1
176	95.0 - 101.0% of mass 174	68.7 (97.9)1
177	5.0 - 9.0% of mass 176	5.2 (7.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE No.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	JSTD318	JSTD318	J70248	11/14/06	1608
02	JV318	JV318	J70251	11/14/06	1743
03	ASE-107A-6D1	783079	J70253	11/14/06	1910
04	ASE-107A-6D1	783079MS	J70254	11/14/06	1939
05	ASE-107A-6D1	783079MSD	J70255	11/14/06	2009
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

Date : 14-NOV-2006 15:15

Client ID:

Instrument: VOAMS8.i

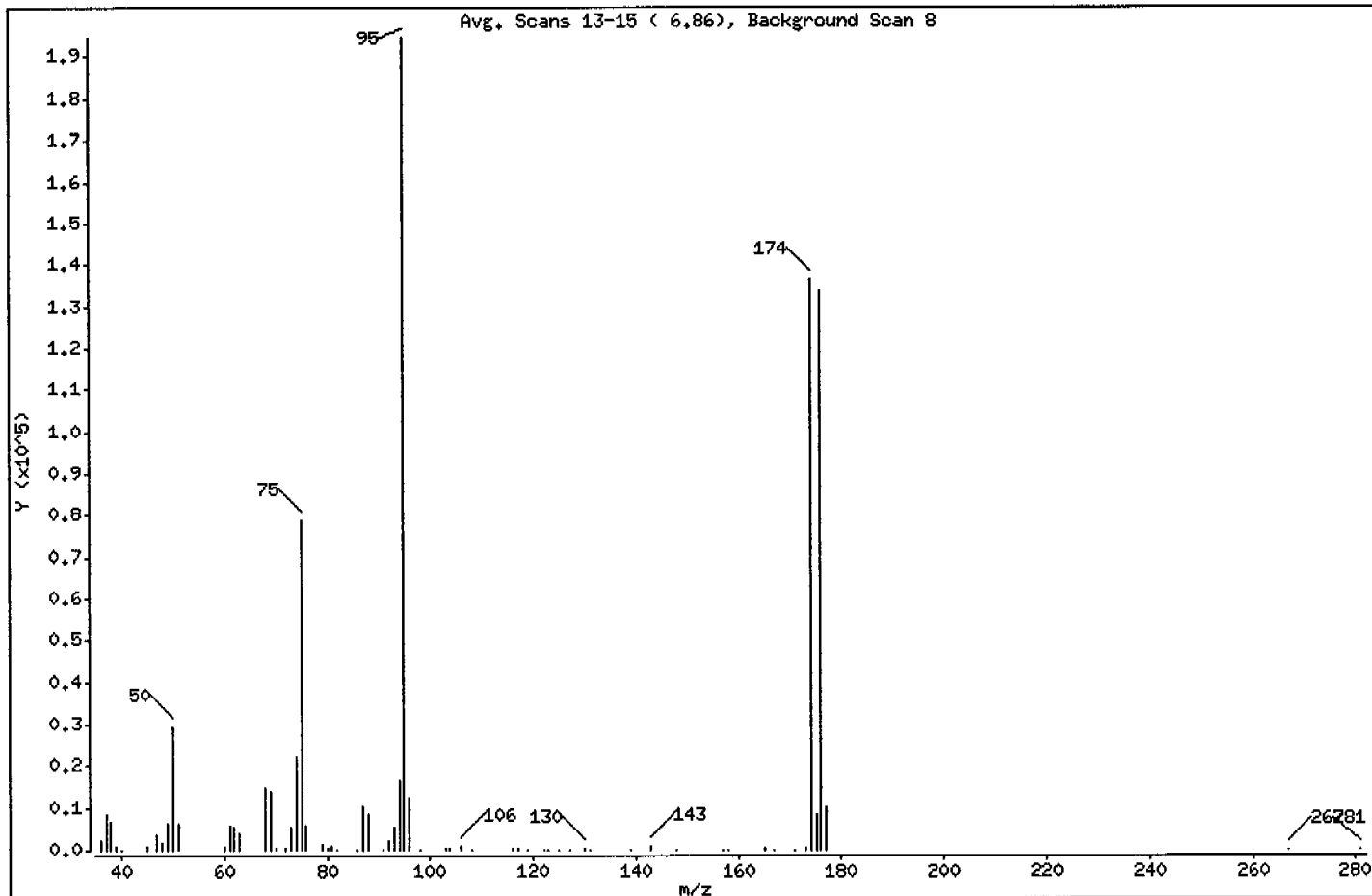
Sample Info: JBFB318

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53

1 Bromofluorobenzene



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	15.09
75	30.00 - 60.00% of mass 95	40.53
96	5.00 - 9.00% of mass 95	6.45
173	Less than 2.00% of mass 174	0.25 (0.36)
174	50.00 - 100.00% of mass 95	70.22
175	5.00 - 9.00% of mass 174	4.36 (6.21)
176	95.00 - 101.00% of mass 174	68.74 (97.89)
177	5.00 - 9.00% of mass 176	5.22 (7.60)

Date : 14-NOV-2006 15:15

Client ID:

Instrument: VOAMS8.i

Sample Info: JBF8318

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0,53

Data File: j70246.d

Spectrum: Avg. Scans 13-15 (6,86), Background Scan 8

Location of Maximum: 95,00

Number of points: 65

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36,00	2238	70,00	391	95,00	194688	143,00	703
37,00	8301	72,00	276	96,00	12551	148,00	193
38,00	6546	73,00	5256	98,00	181	157,00	118
39,00	901	74,00	22328	103,00	435	158,00	169
40,00	100	75,00	78904	104,00	306	165,00	252
45,00	1010	76,00	5595	106,00	865	167,00	194
47,00	3583	79,00	1204	108,00	189	171,00	207
48,00	1796	80,00	377	116,00	579	173,00	492
49,00	6152	81,00	1007	117,00	234	174,00	136704
50,00	29384	82,00	24	119,00	184	175,00	8491
51,00	6488	86,00	168	122,00	178	176,00	133824
60,00	1006	87,00	10310	123,00	180	177,00	10171
61,00	5659	88,00	8409	125,00	194	267,00	197
62,00	5176	91,00	146	127,00	12	281,00	207
63,00	4128	92,00	2159	130,00	525		
68,00	14630	93,00	5252	131,00	22		
69,00	13698	94,00	16672	139,00	67		

Date : 14-NOV-2006 15:15

Client ID:

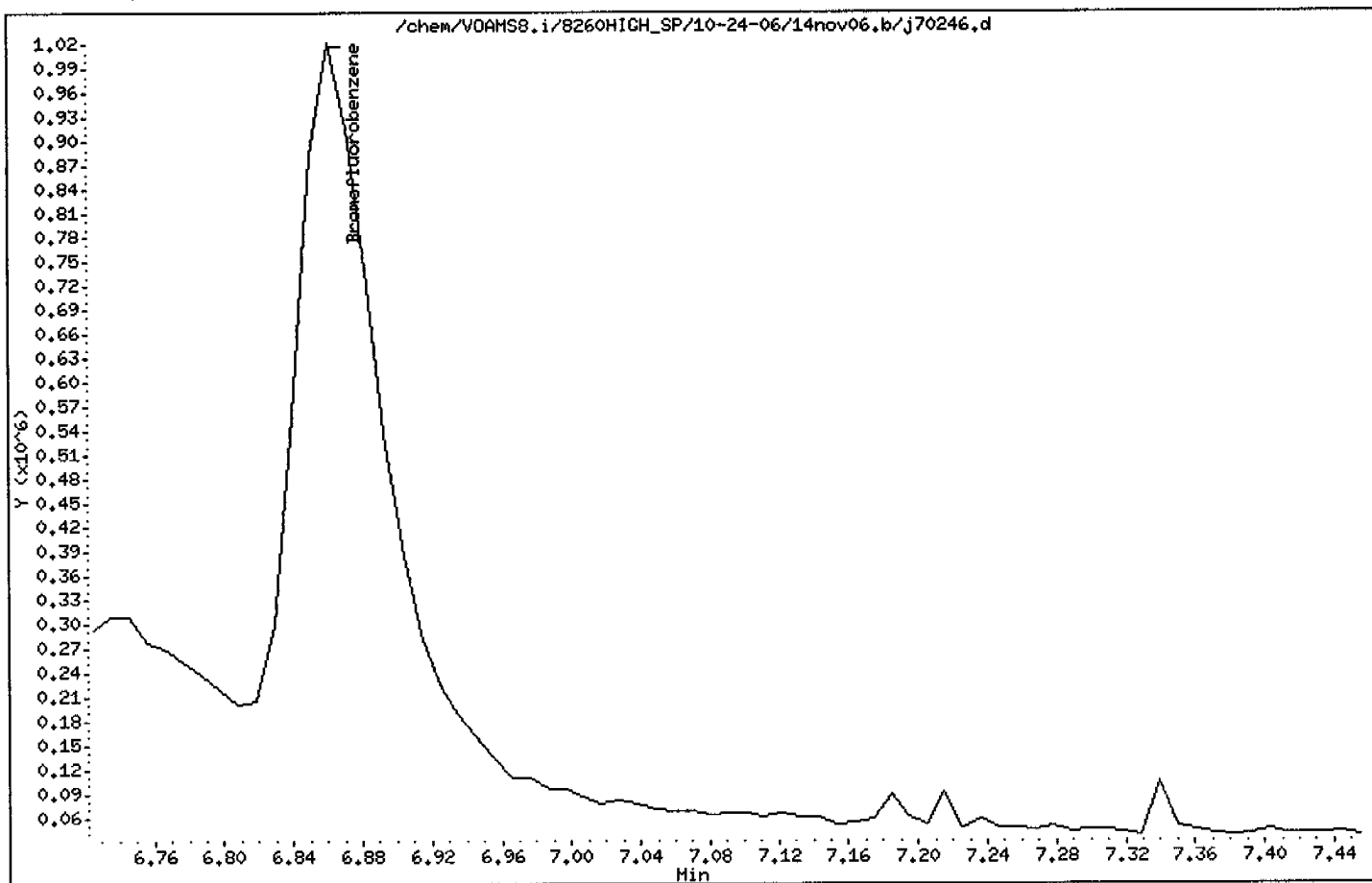
Instrument: VOAMS8.i

Sample Info: JBFB318

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53



Method Blank Results Summary

VOLATILE METHOD BLANK SUMMARY

LAB SAMPLE NO.

JV318

Matrix: ORGANIC

Date Analyzed: 11/14/06

Level: HIGH

Time Analyzed: 1743

Lab File ID: J70251

Heated Purge (Y/N) N

Instrument ID: VOAMS8

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT ID.	LAB SAMPLE NO	LAB FILE ID	TIME ANALYZED
	=====	=====	=====	=====
01	ASE-107A-6D1	783079	J70253	1910
02	ASE-107A-6D1MS	783079MS	J70254	1939
03	ASE-107A-6D1MSD	783079MSD	J70255	2009
04				
05				
06				
07				
08				
09				
10				
11				
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27				
28				
29				
30				

COMMENTS:

Client ID: JV318
Site:

Lab Sample No: JV318
Lab Job No: Z294

Date Sampled: _____
Date Received: _____
Date Analyzed: 11/14/06
GC Column: Rtx-VMS
Instrument ID: VOAMS8.i
Lab File ID: j70251.d

Matrix: ORGANIC
Level: HIGH
Sample Weight: 5.0 g
Methanol Ext. Volume: 10.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 0

VOLATILE ORGANICS - GC/MS
METHOD 8260B

<u>Parameter</u>	Analytical Results	Quantitation
	Units: ug/kg (Dry Weight)	Limit Units: ug/kg
Chloromethane	ND	500
Bromomethane	ND	500
Vinyl Chloride	ND	500
Chloroethane	ND	500
Methylene Chloride	ND	300
Acetone	ND	500
Carbon Disulfide	ND	500
Trichlorofluoromethane	ND	500
1,1-Dichloroethene	ND	200
1,1-Dichloroethane	ND	500
trans-1,2-Dichloroethene	ND	500
cis-1,2-Dichloroethene	ND	500
Chloroform	ND	500
1,2-Dichloroethane	ND	200
2-Butanone	ND	500
1,1,1-Trichloroethane	ND	500
Carbon Tetrachloride	ND	200
Bromodichloromethane	ND	100
1,2-Dichloropropane	ND	100
cis-1,3-Dichloropropene	ND	500
Trichloroethene	ND	100
Dibromochloromethane	ND	500
1,1,2-Trichloroethane	ND	300
Benzene	ND	100
trans-1,3-Dichloropropene	ND	500
2-Chloroethyl Vinyl Ether	ND	500
Bromoform	ND	400
4-Methyl-2-Pentanone	ND	500
2-Hexanone	ND	500
Tetrachloroethene	ND	100
1,1,2,2-Tetrachloroethane	ND	100
Toluene	ND	500
Chlorobenzene	ND	500
Ethylbenzene	ND	400

Client ID: JV318
Site:

Lab Sample No: JV318
Lab Job No: Z294

Date Sampled: _____
Date Received: _____
Date Analyzed: 11/14/06
GC Column: Rtx-VMS
Instrument ID: VOAMS8.i
Lab File ID: j70251.d

Matrix: ORGANIC
Level: HIGH
Sample Weight: 5.0 g
Methanol Ext. Volume: 10.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 8260B

<u>Parameter</u>	<u>Analytical Results</u>	
	<u>Units: ug/kg</u>	<u>Quantitation</u>
	<u>(Dry Weight)</u>	<u>Limit</u>
		<u>Units: ug/kg</u>
Styrene	ND	500
Xylene (Total)	ND	500
Ethyl Ether	ND	500
Acrolein	ND	10000
Freon TF	ND	500
Isopropanol	ND	50000
Acetonitrile	ND	10000
TBA	ND	10000
Acrylonitrile	ND	5000
MTBE	ND	500
Hexane	ND	500
DIPE	ND	500
Ethyl Acetate	ND	1000
Vinyl Acetate	ND	500
Tetrahydrofuran	ND	500
Cyclohexane	ND	500
Isobutanol	ND	50000
Isopropyl Acetate	ND	1000
n-Heptane	ND	500
n-Butanol	ND	50000
Propyl Acetate	ND	1000
Butyl Acetate	ND	1000
1,2-Dibromoethane	ND	500
1,3-Dichlorobenzene	ND	500
1,4-Dichlorobenzene	ND	500
1,2-Dichlorobenzene	ND	500
Naphthalene	ND	500
Methylnaphthalene (total)	ND	500
Dimethylnaphthalene (total)	ND	500
Dichlorodifluoromethane	ND	500
1,1-Dichloropropene	ND	500
1,2,4-Trichlorobenzene	ND	500
Hexachlorobutadiene	ND	500
1,4-Dioxane	ND	100000

Client ID: JV318
Site:

Lab Sample No: JV318
Lab Job No: Z294

Date Sampled: _____
Date Received: _____
Date Analyzed: 11/14/06
GC Column: Rtx-VMS
Instrument ID: VOAMS8.i
Lab File ID: j70251.d

Matrix: ORGANIC
Level: HIGH
Sample Weight: 5.0 g
Methanol Ext. Volume: 10.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 8260B

<u>Parameter</u>	<u>Analytical Results</u>	
	<u>Units: ug/kg</u> <u>(Dry Weight)</u>	<u>Quantitation</u> <u>Limit</u> <u>Units: ug/kg</u>
Methyl Acrylate	ND	500
1,1,1,2-Tetrachloroethane	ND	500
1,2,3-Trichlorobenzene	ND	500
1,2,3-Trichloropropane	ND	500
1,2,4-Trimethylbenzene	ND	500
1,2-Dibromo-3-chloropropane	ND	500
1,3,5-Trimethylbenzene	ND	500
1,3-Dichloropropane	ND	500
2,2-Dichloropropane	ND	500
2-Chlorotoluene	ND	500
4-Chlorotoluene	ND	500
Bromobenzene	ND	500
Bromochloromethane	ND	500
Dibromomethane	ND	500
Isopropylbenzene	ND	500
n-Butylbenzene	ND	500
n-Propylbenzene	ND	500
p-Isopropyltoluene	ND	500
sec-Butylbenzene	ND	500
tert-Butylbenzene	ND	500
Allyl chloride	ND	500
Benzyl chloride	ND	500
Epichlorohydrin	ND	10000
Isoprene	ND	500
Methyl methacrylate	ND	500
n-Pentane	ND	500
Allyl alcohol	ND	100000
2-Octanol	ND	1000
2-Octanone	ND	500
Ethyl Acrylate	ND	500
Butyl Acrylate	ND	500
Butyl Methacrylate	ND	500
Ethyl methacrylate	ND	500
Ethanol	ND	50000

Client ID: JV318
Site:

Lab Sample No: JV318
Lab Job No: Z294

Date Sampled: _____
Date Received: _____
Date Analyzed: 11/14/06
GC Column: Rtx-VMS
Instrument ID: VOAMS8.i
Lab File ID: j70251.d

Matrix: ORGANIC
Level: HIGH
Sample Weight: 5.0 g
Methanol Ext. Volume: 10.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 8260B

<u>Parameter</u>	Analytical Results	Quantitation
	Units: ug/kg (Dry Weight)	Limit Units: ug/kg
Methyl Acetate	ND	500
Methyl cyclohexane	ND	500
Cyclohexanone	ND	10000
p-Ethyltoluene	ND	500
1,4-Diethylbenzene	ND	500
1,2,4,5-Tetramethylbenzene	ND	500
Propylene Oxide	ND	5000
Camphene (total)	ND	2000
Camphor	ND	2000
Amyl Acetate	ND	1000
2-Methylnaphthalene	ND	500
1-Chlorohexane	ND	500
Chlorotrifluoromethane	ND	500
Chlorodifluoromethane	ND	500
tert-Amylmethyl Ether	ND	500
Iodomethane	ND	500
trans-1,4-Dichloro-2-butene	ND	500
Acetaldehyde	ND	1000
1,3,5-Trichlorobenzene	ND	500
1,2-Dichlorotrifluoroethane	ND	500
1-Bromo-2-chloroethane	ND	500
4-Chlorobenzotrifluoride	ND	500
2-Chloropropene	ND	500
tert-Butyl ethyl ether	ND	500
1,3-Butadiene	ND	500

Client ID: JV318
Site:

Lab Sample No: JV318
Lab Job No: Z294

Date Sampled: _____
Date Received: _____
Date Analyzed: 11/14/06
GC Column: Rtx-VMS
Instrument ID: VOAMS8.i
Lab File ID: j70251.d

Matrix: ORGANIC
Level: HIGH
Sample Weight: 5.0 g
Methanol Ext. Volume: 10.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 0.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
=====	=====	=====	=====
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
14.			
15.			
16.			
17.			
18.			
19.			
20.			
21.			
22.			
23.			
24.			
25.			
26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION

0.0

Data File: /chem/VOAMS8.i/8260HIGH_SP/10-24-06/14nov06.b/j70251.d
 Report Date: 17-Nov-2006 23:08

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS8.i/8260HIGH_SP/10-24-06/14nov06.b/j70251.d
 Lab Smp Id: JV318 Client Smp ID: JV318
 Inj Date : 14-NOV-2006 17:43
 Operator : VOAMS 3 Inst ID: VOAMS8.i
 Smp Info : JV318
 Misc Info :
 Comment :
 Method : /chem/VOAMS8.i/8260HIGH_SP/10-24-06/14nov06.b/8260H_06.m
 Meth Date : 14-Nov-2006 16:24 eddie Quant Type: ISTD
 Cal Date : 24-OCT-2006 21:17 Cal File: j69791.d
 Als bottle: 4 QC Sample: BLANK
 Dil Factor: 50.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 3.50

Concentration Formula: Amt * DF * (Vt/Ws)/((100-M)/100) * CpndVariable

Name	Value	Description
DF	50.00000	Dilution Factor
Vt	10.00000	Volume of final extract (mL)
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (ug/L)	FINAL (ug/Kg)
\$ 16 1,2-Dichloroethane-d4 (SUR)	65	7.236	7.226	(0.945)	409002	40.2222	4000	
* 19 Fluorobenzene	96	7.653	7.660	(1.000)	1926619	50.0000		
\$ 37 Toluene-d8 (SUR)	98	9.514	9.511	(0.861)	1197669	50.3651	5000	
* 32 Chlorobenzene-d5	117	11.047	11.040	(1.000)	1328660	50.0000		
\$ 41 Bromofluorobenzene (SUR)	174	12.185	12.183	(0.912)	599009	60.3993	6000	
* 91 1,4-Dichlorobenzene-d4	152	13.358	13.357	(1.000)	629033	50.0000		

Data File: /chem/VOAHS8.i/8260HIGH_SP/10-24-06/14nov06.b/j70251.d

Date: 14-NOV-2006 17:43

Client ID: JV318

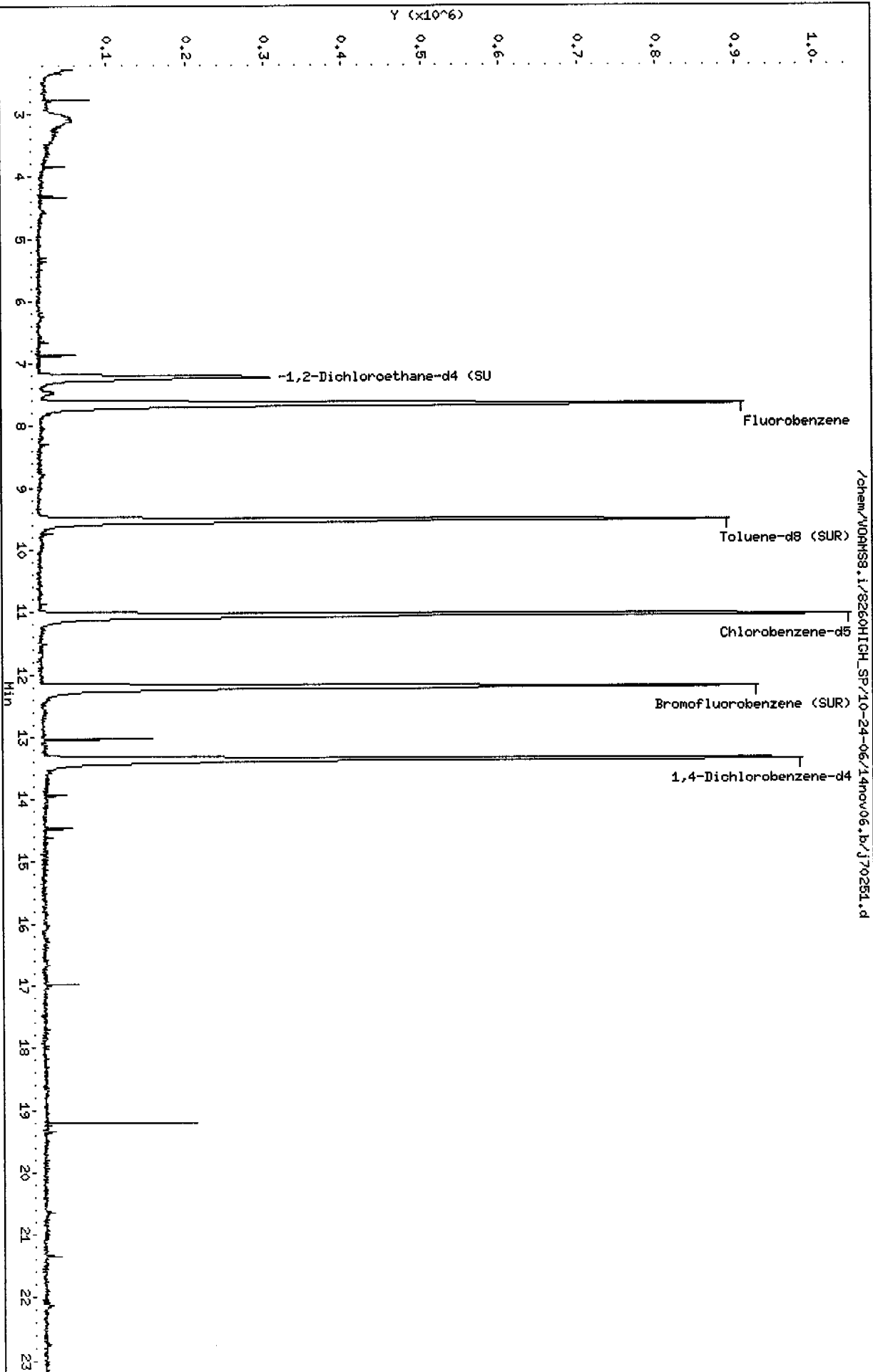
Sample Info: JV318

Column phase: Rtx-VHS

Instrument: VOAHS8.i

Operator: VOAHS 3

Column diameter: 0.18



Calibration Summary

VOLATILE ORGANICS INITIAL CALIBRATION DATA
METHOD 8260B

Instrument ID: VOAMS8

Calibration Date(s): 10/24/06 10/24/06

Heated Purge: (Y/N) N

Calibration Time(s): 1456 2117

LAB FILE ID:	RRF5: J69791	RRF10: J69785	RRF20: J69786		
	RRF50: J69787	RRF100: J69788			
COMPOUND	RRF5	RRF10	RRF20	RRF50	RRF100
=====	=====	=====	=====	=====	=====
Chloromethane	0.274	0.308	0.285	0.283	0.292
Bromomethane	0.314	0.329	0.273	0.276	0.277
Vinyl Chloride	0.254	0.280	0.279	0.271	0.286
Chloroethane	0.201	0.204	0.196	0.194	0.199
Methylene Chloride	0.332	0.305	0.289	0.317	0.327
Acetone	0.023	0.022	0.019	0.022	0.022
Carbon Disulfide	0.938	0.776	0.738	0.805	0.811
Trichlorofluoromethane	0.431	0.512	0.477	0.474	0.499
1,1-Dichloroethene	0.313	0.250	0.236	0.263	0.276
1,1-Dichloroethane	0.707	0.632	0.566	0.624	0.641
trans-1,2-Dichloroethene	0.351	0.313	0.289	0.319	0.333
cis-1,2-Dichloroethene	0.360	0.320	0.300	0.331	0.338
Chloroform	0.652	0.609	0.547	0.617	0.622
1,2-Dichloroethane	0.334	0.328	0.302	0.341	0.347
2-Butanone	0.022	0.027	0.024	0.032	0.031
1,1,1-Trichloroethane	0.483	0.422	0.401	0.442	0.460
Carbon Tetrachloride	0.415	0.374	0.366	0.406	0.429
Bromodichloromethane	0.574	0.547	0.497	0.579	0.594
1,2-Dichloropropane	0.453	0.367	0.346	0.386	0.393
cis-1,3-Dichloropropene	0.554	0.499	0.470	0.522	0.544
Trichloroethene	0.386	0.335	0.312	0.347	0.367
Dibromochloromethane	0.556	0.521	0.515	0.619	0.642
1,1,2-Trichloroethane	0.389	0.328	0.321	0.373	0.378
Benzene	1.013	0.881	0.818	0.912	0.948
trans-1,3-Dichloropropene	0.542	0.490	0.491	0.574	0.592
2-Chloroethyl Vinyl Ether	0.213	0.205	0.180	0.223	0.221
Bromoform	0.333	0.352	0.347	0.411	0.444
4-Methyl-2-Pentanone	0.424	0.366	0.332	0.376	0.370
2-Hexanone	0.253	0.212	0.230	0.273	0.294
Tetrachloroethene	0.487	0.392	0.430	0.466	0.495
1,1,2,2-Tetrachloroethane	1.458	1.272	1.134	1.209	1.250
Toluene	1.186	1.055	1.076	1.171	1.243
Chlorobenzene	0.894	0.783	0.793	0.866	0.917
Ethylbenzene	0.368	0.318	0.335	0.376	0.410
Styrene	0.778	0.706	0.696	0.806	0.869
Xylene (Total)	0.494	0.443	0.455	0.499	0.525
Ethyl Ether	0.298	0.235	0.216	0.244	0.240
Acrolein	0.002	0.002	0.002	0.002	0.002
Freon TF	0.626	0.506	0.487	0.512	0.518

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8260B

Instrument ID: VOAMS8

Calibration Date(s): 10/24/06 10/24/06

Heated Purge: (Y/N) N

Calibration Time(s): 1456 2117

LAB FILE ID:	RRF5: J69791	RRF10: J69785	RRF20: J69786		
	RRF50: J69787	RRF100: J69788			
COMPOUND	RRF5	RRF10	RRF20	RRF50	RRF100
=====	=====	=====	=====	=====	=====
Isopropanol					
Acetonitrile	0.023	0.020	0.019	0.023	0.024
TBA	0.032	0.030	0.026	0.030	0.028
Acrylonitrile	0.073	0.084	0.076	0.084	0.087
MTBE	0.920	0.742	0.706	0.769	0.748
Hexane					
DIPE	1.734	1.371	1.290	1.395	1.360
Ethyl Acetate	0.042	0.040	0.032	0.040	0.038
Vinyl Acetate	1.032	0.863	0.805	0.840	0.846
Tetrahydrofuran					
Cyclohexane	0.500	0.429	0.400	0.437	0.425
Isobutanol					
Isopropyl Acetate	0.942	0.793	0.712	0.810	0.791
n-Heptane					
n-Butanol					
Propyl Acetate	0.770	0.670	0.586	0.646	0.626
Butyl Acetate	0.978	0.812	0.773	0.946	0.956
1,2-Dibromoethane	0.544	0.516	0.519	0.591	0.616
1,3-Dichlorobenzene	1.131	1.036	1.014	1.019	1.136
1,4-Dichlorobenzene	1.611	1.395	1.257	1.450	1.410
1,2-Dichlorobenzene	1.325	1.178	1.095	1.150	1.194
Naphthalene	0.848	1.166	1.029	1.188	1.260
Methylnaphthalene (total)					
Dimethylnaphthalene (total)					
Dichlorodifluoromethane	0.273	0.301	0.274	0.286	0.314
1,1-Dichloropropene	0.407	0.418	0.390	0.443	0.457
1,2,4-Trichlorobenzene	0.454	0.548	0.515	0.596	0.647
Hexachlorobutadiene	0.351	0.315	0.316	0.335	0.336
1,4-Dioxane	0.003	0.003	0.003	0.003	0.003
Methyl Acrylate					
1,1,1,2-Tetrachloroethane	0.433	0.389	0.410	0.444	0.466
1,2,3-Trichlorobenzene	0.381	0.464	0.449	0.493	0.514
1,2,3-Trichloropropane	0.354	0.332	0.281	0.309	0.307
1,2,4-Trimethylbenzene	1.940	1.657	1.607	1.686	1.739
1,2-Dibromo-3-chloropropane	0.214	0.248	0.210	0.221	0.236
1,3,5-Trimethylbenzene	1.995	1.689	1.581	1.644	1.691
1,3-Dichloropropane	0.734	0.605	0.618	0.690	0.711
2,2-Dichloropropane	0.490	0.423	0.389	0.414	0.412
2-Chlorotoluene	2.032	1.781	1.674	1.869	1.597

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8260B

Instrument ID: VOAMS8

Calibration Date(s): 10/24/06 10/24/06

Heated Purge: (Y/N) N

Calibration Time(s): 1456 2117

LAB FILE ID:	RRF5: J69791	RRF10: J69785	RRF20: J69786		
	RRF50: J69787	RRF100: J69788			
COMPOUND	RRF5	RRF10	RRF20	RRF50	RRF100
=====	=====	=====	=====	=====	=====
4-Chlorotoluene	2.273	2.133	1.934	2.012	2.182
Bromobenzene	0.936	0.780	0.708	0.792	0.795
Bromochloromethane	0.235	0.218	0.189	0.217	0.224
Dibromomethane	0.329	0.284	0.275	0.301	0.311
Isopropylbenzene	1.248	1.087	1.160	1.257	1.312
n-Butylbenzene	1.535	1.327	1.347	1.455	1.527
n-Propylbenzene	2.809	2.287	2.325	2.478	2.488
p-Isopropyltoluene	1.930	1.744	1.667	1.714	1.779
sec-Butylbenzene	2.447	2.214	2.000	2.126	2.175
tert-Butylbenzene	2.024	1.718	1.609	1.707	1.727
Allyl chloride					
Benzyl chloride	1.439	1.347	1.204	1.350	1.320
Epichlorohydrin	0.039	0.037	0.034	0.038	0.038
Isoprene	0.353	0.289	0.279	0.300	0.297
Methyl methacrylate	0.272	0.252	0.220	0.248	0.252
n-Pentane	0.051	0.039	0.037	0.044	0.042
Allyl alcohol					
2-Octanol					
2-Octanone					
Ethyl Acrylate					
Butyl Acrylate					
Butyl Methacrylate					
Ethyl methacrylate					
Ethanol					
Methyl Acetate	0.512	0.399	0.359	0.414	0.416
Methyl cyclohexane	0.354	0.284	0.287	0.299	0.296
Cyclohexanone					
p-Ethyltoluene					
1,4-Diethylbenzene					
1,2,4,5-Tetramethylbenzene					
Propylene Oxide					
Camphene (total)					
Camphor					
Amyl Acetate					
2-Methylnaphthalene					
1-Chlorohexane					
Chlorotrifluoromethane					
Chlorodifluoromethane					
tert-Amylmethyl Ether					

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8260B

Instrument ID: VOAMS8

Calibration Date(s): 10/24/06 10/24/06

Heated Purge: (Y/N) N

Calibration Time(s): 1456 2117

LAB FILE ID:	RRF5: J69791 RRF50: J69787	RRF10: J69785 RRF100: J69788	RRF20: J69786		
COMPOUND	RRF5	RRF10	RRF20	RRF50	RRF100
Iodomethane					
trans-1,4-Dichloro-2-butene					
Acetaldehyde					
1,3,5-Trichlorobenzene					
1,2-Dichlorotrifluoroethane					
1-Bromo-2-chloroethane					
4-Chlorobenzotrifluoride					
2-Chloropropene					
tert-Butyl ethyl ether					
1,3-Butadiene					
1,2-Dichloroethane-d4 (SUR)	0.332	0.217	0.247	0.262	0.264
Toluene-d8 (SUR)	0.970	0.750	0.886	0.914	0.940
Bromofluorobenzene (SUR)	0.927	0.727	0.777	0.752	0.774

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8260B

Instrument ID: VOAMS8

Calibration Date(s): 10/24/06 10/24/06

Heated Purge: (Y/N) N

Calibration Time(s): 1456 2117

RRF200: J69789

COMPOUND	RRF200	CURVE	COEFFICIENT A1	%RSD OR R^2
Chloromethane	0.286	AVRG	0.28785123	3.9**
Bromomethane	0.272	AVRG	0.29011632	8.6*
Vinyl Chloride	0.271	AVRG	0.27366376	4.1*
Chloroethane	0.194	AVRG	0.19800854	2.1*
Methylene Chloride	0.320	AVRG	0.31478426	5.0*
Acetone	0.024	AVRG	0.02223800	7.1*
Carbon Disulfide	0.804	AVRG	0.81209470	8.3*
Trichlorofluoromethane	0.463	AVRG	0.47608005	5.9*
1,1-Dichloroethene	0.262	AVRG	0.26659696	9.8*
1,1-Dichloroethane	0.636	AVRG	0.63449336	7.1**
trans-1,2-Dichloroethene	0.322	AVRG	0.32122754	6.4*
cis-1,2-Dichloroethene	0.333	AVRG	0.33061622	6.0*
Chloroform	0.610	AVRG	0.60971786	5.6*
1,2-Dichloroethane	0.332	AVRG	0.33080433	4.7*
2-Butanone	0.033	AVRG	0.02832845	14.8*
1,1,1-Trichloroethane	0.446	AVRG	0.44232719	6.5*
Carbon Tetrachloride	0.409	AVRG	0.39985420	6.2*
Bromodichloromethane	0.588	AVRG	0.56348619	6.4*
1,2-Dichloropropane	0.388	AVRG	0.38901208	9.2*
cis-1,3-Dichloropropene	0.522	AVRG	0.51847780	5.9*
Trichloroethene	0.366	AVRG	0.35239196	7.5*
Dibromochloromethane	0.618	AVRG	0.57859364	9.5*
1,1,2-Trichloroethane	0.362	AVRG	0.35864675	7.7*
Benzene	0.918	AVRG	0.91502364	7.1*
trans-1,3-Dichloropropene	0.566	AVRG	0.54257173	8.0*
2-Chloroethyl Vinyl Ether	0.234	AVRG	0.21276940	8.8*
Bromoform	0.440	AVRG	0.38787810	12.9**
4-Methyl-2-Pentanone	0.372	AVRG	0.37337709	7.9*
2-Hexanone	0.300	AVRG	0.26045032	13.4*
Tetrachloroethene	0.471	AVRG	0.45674636	8.5*
1,1,2,2-Tetrachloroethane	1.151	AVRG	1.24566368	9.4**
Toluene	1.163	AVRG	1.14907024	6.1*
Chlorobenzene	0.867	AVRG	0.85332914	6.3**
Ethylbenzene	0.399	AVRG	0.36779149	9.7*
Styrene	0.835	AVRG	0.78175707	8.9*
Xylene (Total)	0.500	AVRG	0.48599923	6.4*
Ethyl Ether	0.239	AVRG	0.24533990	11.3*
Acrolein	0.002	AVRG	0.00195323	10.2*
Freon TF	0.486	AVRG	0.52230778	10.0*

* Compound with required maximum % RSD value.

** Compound with required minimum RRF value.

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8260B

Instrument ID: VOAMS8

Calibration Date(s): 10/24/06 10/24/06

Heated Purge: (Y/N) N

Calibration Time(s): 1456 2117

RRF200: J69789

COMPOUND	RRF200	CURVE	COEFFICIENT A1	%RSD OR R^2
Isopropanol		AVRG		
Acetonitrile	0.025	AVRG	0.02223503	10.0*
TBA	0.029	AVRG	0.02916759	7.3*
Acrylonitrile	0.088	AVRG	0.08211552	7.4*
MTBE	0.734	AVRG	0.76986924	9.9*
Hexane		AVRG		
DIPE	1.345	AVRG	1.41568520	11.3*
Ethyl Acetate	0.039	AVRG	0.03839405	8.9*
Vinyl Acetate	0.790	AVRG	0.86261746	10.1*
Tetrahydrofuran		AVRG		
Cyclohexane	0.412	AVRG	0.43372845	8.0*
Isobutanol		AVRG		
Isopropyl Acetate	0.780	AVRG	0.80460424	9.3*
n-Heptane		AVRG		
n-Butanol		AVRG		
Propyl Acetate	0.603	AVRG	0.65028874	10.1*
Butyl Acetate	0.898	AVRG	0.89399179	9.4*
1,2-Dibromoethane	0.593	AVRG	0.56329861	7.5*
1,3-Dichlorobenzene	1.048	AVRG	1.06385273	5.2*
1,4-Dichlorobenzene	1.476	AVRG	1.43326437	8.0*
1,2-Dichlorobenzene	1.161	AVRG	1.18381835	6.5*
Naphthalene	1.288	AVRG	1.13010064	14.6*
Methylnaphthalene (total)		AVRG		
Dimethylnaphthalene (total)		AVRG		
Dichlorodifluoromethane	0.279	AVRG	0.28790245	5.7*
1,1-Dichloropropene	0.447	AVRG	0.42719389	6.1*
1,2,4-Trichlorobenzene	0.655	AVRG	0.56923136	13.8*
Hexachlorobutadiene	0.323	AVRG	0.32926990	4.2*
1,4-Dioxane	0.003	AVRG	0.00317869	3.9*
Methyl Acrylate		AVRG		
1,1,1,2-Tetrachloroethane	0.450	AVRG	0.43192760	6.5*
1,2,3-Trichlorobenzene	0.515	AVRG	0.46931229	10.8*
1,2,3-Trichloropropane	0.297	AVRG	0.31353450	8.3*
1,2,4-Trimethylbenzene	1.676	AVRG	1.71764037	6.8*
1,2-Dibromo-3-chloropropane	0.224	AVRG	0.22555909	6.4*
1,3,5-Trimethylbenzene	1.630	AVRG	1.70501760	8.7*
1,3-Dichloropropane	0.684	AVRG	0.67373023	7.6*
2,2-Dichloropropane	0.397	AVRG	0.42081041	8.6*
2-Chlorotoluene	1.606	AVRG	1.75987999	9.6*

* Compound with required maximum % RSD value.

** Compound with required minimum RRF value.

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8260B

Instrument ID: VOAMS8

Calibration Date(s): 10/24/06 10/24/06

Heated Purge: (Y/N) N

Calibration Time(s): 1456 2117

RRF200: J69789

COMPOUND	RRF200	CURVE	COEFFICIENT A1	%RSD OR R^2
4-Chlorotoluene	2.097	AVRG	2.10491086	5.7*
Bromobenzene	0.783	AVRG	0.79892347	9.3*
Bromochloromethane	0.215	AVRG	0.21642086	7.0*
Dibromomethane	0.302	AVRG	0.30055555	6.4*
Isopropylbenzene	1.229	AVRG	1.21558054	6.6*
n-Butylbenzene	1.495	AVRG	1.44768248	6.2*
n-Propylbenzene	2.458	AVRG	2.47434096	7.4*
p-Isopropyltoluene	1.695	AVRG	1.75496552	5.4*
sec-Butylbenzene	2.083	AVRG	2.17403042	7.0*
tert-Butylbenzene	1.661	AVRG	1.74108908	8.4*
Allyl chloride		AVRG		
Benzyl chloride	1.319	AVRG	1.32990354	5.7*
Epichlorohydrin	0.038	AVRG	0.03729554	5.2*
Isoprene	0.287	AVRG	0.30080878	8.8*
Methyl methacrylate	0.249	AVRG	0.24890476	6.8*
n-Pentane	0.040	AVRG	0.04232244	11.2*
Allyl alcohol		AVRG		
2-Octanol		AVRG		
2-Octanone		AVRG		
Ethyl Acrylate		AVRG		
Butyl Acrylate		AVRG		
Butyl Methacrylate		AVRG		
Ethyl methacrylate		AVRG		
Ethanol		AVRG		
Methyl Acetate	0.416	AVRG	0.41947715	12.0*
Methyl cyclohexane	0.287	AVRG	0.30110566	8.8*
Cyclohexanone		AVRG		
p-Ethyltoluene		AVRG		
1,4-Diethylbenzene		AVRG		
1,2,4,5-Tetramethylbenzene		AVRG		
Propylene Oxide		AVRG		
Camphene (total)		AVRG		
Camphor		AVRG		
Amyl Acetate		AVRG		
2-Methylnaphthalene		AVRG		
1-Chlorohexane		AVRG		
Chlorotrifluoromethane		AVRG		
Chlorodifluoromethane		AVRG		
tert-Amylmethyl Ether		AVRG		

* Compound with required maximum % RSD value.

** Compound with required minimum RRF value.

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8260B

Instrument ID: VOAMS8

Calibration Date(s): 10/24/06 10/24/06

Heated Purge: (Y/N) N

Calibration Time(s): 1456 2117

RRF200: J69789

COMPOUND	RRF200	CURVE	COEFFICIENT A1	%RSD OR R^2
=====	=====	=====	=====	=====
Iodomethane		AVRG		
trans-1,4-Dichloro-2-butene		AVRG		
Acetaldehyde		AVRG		
1,3,5-Trichlorobenzene		AVRG		
1,2-Dichlorotrifluoroethane		AVRG		
1-Bromo-2-chloroethane		AVRG		
4-Chlorobenzotrifluoride		AVRG		
2-Chloropropene		AVRG		
tert-Butyl ethyl ether		AVRG		
1,3-Butadiene		AVRG		
=====	=====	=====	=====	=====
1,2-Dichloroethane-d4 (SUR)	0.262	AVRG	0.26389653	14.3*
Toluene-d8 (SUR)	0.910	AVRG	0.89487762	8.5*
Bromofluorobenzene (SUR)	0.771	AVRG	0.78831118	9.0*

* Compound with required maximum % RSD value.

** Compound with required minimum RRF value.

FORM 7B
VOLATILE CONTINUING CALIBRATION CHECK

Instrument ID: VOAMS8 Calibration Date: 11/14/06 Time: 1608
Lab File ID: J70248 Init. Calib. Date(s): 10/24/06 10/24/06
Init. Calib. Times: 1456 2117

COMPOUND	RRF OR AMOUNT	RRF50.000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
=====	=====	=====	=====	=====	=====	=====
Chloromethane	0.2880000	0.2251438	0.1	21.82	50.00	AVRG
Bromomethane	0.2900000	0.2493893		14.00	50.00	AVRG
Vinyl Chloride	0.2740000	0.2259958		17.52	20.00	AVRG
Chloroethane	0.1980000	0.1665906		15.86	50.00	AVRG
Methylene Chloride	0.3150000	0.2663326		15.45	50.00	AVRG
Acetone	0.0220000	0.0177490		19.32	50.00	AVRG
Carbon Disulfide	0.8120000	0.6596128		18.77	50.00	AVRG
Trichlorofluoromethane	0.4760000	0.4253398		10.64	50.00	AVRG
1,1-Dichloroethene	0.2670000	0.2280279		14.60	20.00	AVRG
1,1-Dichloroethane	0.6340000	0.5188456	0.1	18.16	50.00	AVRG
trans-1,2-Dichloroethene	0.3210000	0.2875209		10.43	50.00	AVRG
cis-1,2-Dichloroethene	0.3300000	0.2956688		10.40	50.00	AVRG
Chloroform	0.6100000	0.5057086		17.10	20.00	AVRG
1,2-Dichloroethane	0.3310000	0.2711728		18.07	50.00	AVRG
2-Butanone	0.0280000	0.0227362		18.80	50.00	AVRG
1,1,1-Trichloroethane	0.4420000	0.3929261		11.10	50.00	AVRG
Carbon Tetrachloride	0.4000000	0.3571737		10.71	50.00	AVRG
Bromodichloromethane	0.5630000	0.4757993		15.49	50.00	AVRG
1,2-Dichloropropane	0.3890000	0.3192699		17.92	20.00	AVRG
cis-1,3-Dichloropropene	0.5180000	0.4334725		16.32	50.00	AVRG
Trichloroethene	0.3520000	0.3054326		13.23	50.00	AVRG
Dibromochloromethane	0.5780000	0.5628042		2.63	50.00	AVRG
1,1,2-Trichloroethane	0.3580000	0.3069209		14.27	50.00	AVRG
Benzene	0.9150000	0.7620288		16.72	50.00	AVRG
trans-1,3-Dichloropropene	0.5420000	0.4909050		9.43	50.00	AVRG
2-Chloroethyl Vinyl Ether	0.2130000	0.1830126		14.08	50.00	AVRG
Bromoform	0.3880000	0.3892356	0.1	-0.32	50.00	AVRG
4-Methyl-2-Pentanone	0.3730000	0.2762961		25.92	50.00	AVRG
2-Hexanone	0.2600000	0.2148139		17.38	50.00	AVRG
Tetrachloroethene	0.4570000	0.4460104		2.40	50.00	AVRG
1,1,2,2-Tetrachloroethane	1.2460000	1.0282721	0.3	17.47	50.00	AVRG
Toluene	1.1490000	1.0696008		6.91	20.00	AVRG
Chlorobenzene	0.8530000	0.8025929	0.3	5.91	50.00	AVRG
Ethylbenzene	0.3680000	0.3504631		4.76	20.00	AVRG
Styrene	0.7820000	0.7411093		5.23	50.00	AVRG
Xylene (Total)	0.4860000	0.4598737		5.38	50.00	AVRG
Ethyl Ether	0.2450000	0.1879510		23.28	50.00	AVRG
Acrolein	0.0020000	0.0028263		-41.32	99.00	AVRG
Freon TF	0.5220000	0.4654783		10.83	50.00	AVRG
Isopropanol	0.0000000			0.00	50.00	AVRG
Acetonitrile	0.0220000	0.0173243		21.25	50.00	AVRG
TBA	0.0290000	0.0176721		39.06	50.00	AVRG

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FORM 7B
VOLATILE CONTINUING CALIBRATION CHECK

Instrument ID: VOAMS8

Calibration Date: 11/14/06 Time: 1608

Lab File ID: J70248

Init. Calib. Date(s): 10/24/06 10/24/06

Init. Calib. Times: 1456 2117

COMPOUND	RRF OR AMOUNT	RRF50.000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
=====	=====	=====	=====	=====	=====	=====
Acrylonitrile	0.0820000	0.0625199		23.76	50.00	AVRG
MTBE	0.7700000	0.6522267		15.30	50.00	AVRG
Hexane	0.0000000			0.00	50.00	AVRG
DIPE	1.4160000	1.1704495		17.34	50.00	AVRG
Ethyl Acetate	0.0380000	0.0302288		20.45	50.00	AVRG
Vinyl Acetate	0.8630000	0.7853474		9.00	50.00	AVRG
Tetrahydrofuran	0.0000000			0.00	50.00	AVRG
Cyclohexane	0.4340000	0.3529040		18.68	50.00	AVRG
Isobutanol	0.0000000			0.00	50.00	AVRG
Isopropyl Acetate	0.8050000	0.6175716		23.28	50.00	AVRG
n-Heptane	0.0000000			0.00	50.00	AVRG
n-Butanol	0.0000000			0.00	50.00	AVRG
Propyl Acetate	0.6500000	0.4602749		29.19	50.00	AVRG
Butyl Acetate	0.8940000	0.7168653		19.81	50.00	AVRG
1,2-Dibromoethane	0.5630000	0.5039180		10.49	50.00	AVRG
1,3-Dichlorobenzene	1.0640000	1.1018733		-3.56	50.00	AVRG
1,4-Dichlorobenzene	1.4330000	1.3465570		6.03	50.00	AVRG
1,2-Dichlorobenzene	1.1840000	1.1431794		3.45	50.00	AVRG
Naphthalene	1.1300000	0.9555002		15.44	50.00	AVRG
Methylnaphthalene (total)	0.0000000			0.00	50.00	AVRG
Dimethylnaphthalene (total)	0.0000000			0.00	50.00	AVRG
Dichlorodifluoromethane	0.2880000	0.2610446		9.36	50.00	AVRG
1,1-Dichloropropene	0.4270000	0.3721086		12.86	50.00	AVRG
1,2,4-Trichlorobenzene	0.5690000	0.5326374		6.39	50.00	AVRG
Hexachlorobutadiene	0.3290000	0.3250751		1.19	50.00	AVRG
1,4-Dioxane	0.0030000	0.0021114		29.62	50.00	AVRG
Methyl Acrylate	0.0000000			0.00	50.00	AVRG
1,1,1,2-Tetrachloroethane	0.4320000	0.3989282		7.66	50.00	AVRG
1,2,3-Trichlorobenzene	0.4690000	0.4303220		8.25	50.00	AVRG
1,2,3-Trichloropropane	0.3130000	0.2664380		14.88	50.00	AVRG
1,2,4-Trimethylbenzene	1.7180000	1.5774345		8.18	50.00	AVRG
1,2-Dibromo-3-chloropropane	0.2260000	0.1658297		26.62	50.00	AVRG
1,3,5-Trimethylbenzene	1.7050000	1.5674376		8.07	50.00	AVRG
1,3-Dichloropropane	0.6740000	0.5792256		14.06	50.00	AVRG
2,2-Dichloropropane	0.4210000	0.3570894		15.18	50.00	AVRG
2-Chlorotoluene	1.7600000	1.2679690		27.96	50.00	AVRG
4-Chlorotoluene	2.1050000	1.9347500		8.09	50.00	AVRG
Bromobenzene	0.7990000	0.7788246		2.52	50.00	AVRG
Bromochloromethane	0.2160000	0.1916024		11.30	50.00	AVRG
Dibromomethane	0.3000000	0.2559036		14.70	50.00	AVRG
Isopropylbenzene	1.2160000	1.1409654		6.17	50.00	AVRG
n-Butylbenzene	1.4480000	1.3769468		4.91	50.00	AVRG

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FORM 7B
VOLATILE CONTINUING CALIBRATION CHECK

Instrument ID: VOAMS8

Calibration Date: 11/14/06 Time: 1608

Lab File ID: J70248

Init. Calib. Date(s): 10/24/06 10/24/06

Init. Calib. Times: 1456 2117

COMPOUND	RRF OR AMOUNT	RRF50.000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
=====	=====	=====	=====	=====	=====	=====
n-Propylbenzene	2.4740000	2.2935364		7.29	50.00	AVRG
p-Isopropyltoluene	1.7550000	1.6333657		6.93	50.00	AVRG
sec-Butylbenzene	2.1740000	2.0459512		5.89	50.00	AVRG
tert-Butylbenzene	1.7410000	1.6007107		8.06	50.00	AVRG
Allyl chloride	0.0000000			0.00	50.00	AVRG
Benzyl chloride	1.3300000	1.2765028		4.02	50.00	AVRG
Epichlorohydrin	0.0370000	0.0269354		27.20	50.00	AVRG
Isoprene	0.3010000	0.2549248		15.31	50.00	AVRG
Methyl methacrylate	0.2490000	0.1985269		20.27	50.00	AVRG
n-Pentane	0.0420000	0.0382603		8.90	50.00	AVRG
Allyl alcohol	0.0000000			0.00	50.00	AVRG
2-Octanol	0.0000000			0.00	50.00	AVRG
2-Octanone	0.0000000			0.00	50.00	AVRG
Ethyl Acrylate	0.0000000			0.00	50.00	AVRG
Butyl Acrylate	0.0000000			0.00	50.00	AVRG
Butyl Methacrylate	0.0000000			0.00	50.00	AVRG
Ethyl methacrylate	0.0000000			0.00	50.00	AVRG
Ethanol	0.0000000			0.00	50.00	AVRG
Methyl Acetate	0.4190000	0.2881782		31.22	50.00	AVRG
Methyl cyclohexane	0.3010000	0.2732655		9.21	50.00	AVRG
Cyclohexanone	0.0000000			0.00	50.00	AVRG
p-Ethyltoluene	0.0000000			0.00	50.00	AVRG
1,4-Diethylbenzene	0.0000000			0.00	50.00	AVRG
1,2,4,5-Tetramethylbenzene	0.0000000			0.00	50.00	AVRG
Propylene Oxide	0.0000000			0.00	50.00	AVRG
Camphene (total)	0.0000000			0.00	50.00	AVRG
Camphor	0.0000000			0.00	50.00	AVRG
Amyl Acetate	0.0000000			0.00	50.00	AVRG
2-Methylnaphthalene	0.0000000			0.00	50.00	AVRG
1-Chlorohexane	0.0000000			0.00	50.00	AVRG
Chlorotrifluoromethane	0.0000000			0.00	50.00	AVRG
Chlorodifluoromethane	0.0000000			0.00	50.00	AVRG
tert-Amylmethyl Ether	0.0000000			0.00	50.00	AVRG
Iodomethane	0.0000000			0.00	50.00	AVRG
trans-1,4-Dichloro-2-butene	0.0000000			0.00	50.00	AVRG
Acetaldehyde	0.0000000			0.00	50.00	AVRG
1,3,5-Trichlorobenzene	0.0000000			0.00	50.00	AVRG
1,2-Dichlorotrifluoroethane	0.0000000			0.00	50.00	AVRG
1-Bromo-2-chloroethane	0.0000000			0.00	50.00	AVRG
4-Chlorobenzotrifluoride	0.0000000			0.00	50.00	AVRG
2-Chloropropene	0.0000000			0.00	50.00	AVRG
tert-Butyl ethyl ether	0.0000000		0.01	0.00	50.00	AVRG

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FORM 7B
VOLATILE CONTINUING CALIBRATION CHECK

Instrument ID: VOAMS8 Calibration Date: 11/14/06 Time: 1608
 Lab File ID: J70248 Init. Calib. Date(s): 10/24/06 10/24/06
 Init. Calib. Times: 1456 2117

COMPOUND	RRF OR AMOUNT	RRF50.000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
=====	=====	=====	=====	=====	=====	=====
1,3-Butadiene	0.0000000		0.01	0.00	50.00	AVRG
=====	=====	=====	=====	=====	=====	=====
1,2-Dichloroethane-d4 (SUR)	0.2640000	0.2247774		14.86	50.00	AVRG
Toluene-d8 (SUR)	0.8950000	0.8338167		6.84	50.00	AVRG
Bromofluorobenzene (SUR)	0.7880000	0.8253744		-4.74	50.00	AVRG

Surrogate Compound Recovery Summary

VOLATILE SYSTEM MONITORING COMPOUND RECOVERY
METHOD 8260B

Matrix: ORGANIC Level: HIGH Lab Job No: Z294

	LAB SAMPLE NO.	S1 #	S2 #	S3 #	OTHER	TOT OUT
	=====	=====	=====	=====	=====	=====
01	JV318	80	101	121		0
02	783079	71	690*	119		1
03	783079MS	86	584*	124		1
04	783079MSD	73	413*	96		1
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

QC LIMITS

S1 = 1,2-Dichloroethane-d4 (60-142)
S2 = Toluene-d8 (52-153)
S3 = Bromofluorobenzene (62-138)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

Spike Recovery Summary

VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY
METHOD 8260B

Matrix: ORGANIC

Matrix Spike - Lab Sample No.: 783079

Level: HIGH

MS Sample from Lab Job No: Z294

QA Batch: 1084

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Vinyl Chloride	50000	0.00	45000	90	60-151
1,1-Dichloroethene	50000	0.00	50000	100	71-132
Methylene Chloride	50000	0.00	48000	96	60-152
MTBE	50000	0.00	47000	94	70-130
1,1-Dichloroethane	50000	0.00	48000	96	65-138
Bromochloromethane	50000	0.00	51000	102	70-130
Chloroform	50000	0.00	48000	96	62-141
Benzene	50000	0.00	54000	108	62-136
Trichloroethene	50000	0.00	50000	100	62-134
1,2-Dichloropropane	50000	0.00	79000	158*	64-136
Toluene	50000	0.00	57000	114	60-138
Tetrachloroethene	50000	0.00	55000	110	58-137
Chlorobenzene	50000	0.00	56000	112	65-138
Ethylbenzene	50000	270000	300000	*	70-134
Isopropylbenzene	50000	530000	520000	*	70-130
1,3-Dichlorobenzene	50000	0.00	66000	132	63-139

Compound	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS	
					RPD	REC.
Vinyl Chloride	50000	42000	84	7	40	60-151
1,1-Dichloroethene	50000	42000	84	17	40	71-132
Methylene Chloride	50000	42000	84	13	40	60-152
MTBE	50000	39000	78	19	40	70-130
1,1-Dichloroethane	50000	43000	86	11	40	65-138
Bromochloromethane	50000	42000	84	19	40	70-130
Chloroform	50000	40000	80	18	40	62-141
Benzene	50000	45000	90	18	40	62-136
Trichloroethene	50000	44000	88	13	40	62-134
1,2-Dichloropropane	50000	65000	130	19	40	64-136
Toluene	50000	45000	90	24	40	60-138
Tetrachloroethene	50000	44000	88	22	40	58-137
Chlorobenzene	50000	44000	88	24	40	65-138
Ethylbenzene	50000	250000	*	*	40	70-134
Isopropylbenzene	50000	400000	*	*	40	70-130
1,3-Dichlorobenzene	50000	45000	90	38	40	63-139

Column to be used to flag recovery and RPD values with an asterik

* Values outside of QC limits

RPD: 2 out of 16 outside limits

Spike Recovery: 5 out of 32 outside limits

COMMENTS: Ethylbenzene and Isopropylbenzene sample amounts too high for spiking level. 1,2-Dichloropropane % recovery high due to sample matrix interference.

Internal Standard Area and RT Summary

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): J70248

Date Analyzed: 11/14/06

Instrument ID: VOAMS8

Time Analyzed: 1608

		IS1 AREA #	RT #	IS2 (CBZ) AREA #	RT #	IS3 (DCB) AREA #	RT #
	=====	=====	=====	=====	=====	=====	=====
	12 HOUR STD	2028002	7.66	1444092	11.04	766835	13.36
	UPPER LIMIT	4056004	8.16	2888184	11.54	1533670	13.86
	LOWER LIMIT	1014001	7.16	722046	10.54	383418	12.86
	=====	=====	=====	=====	=====	=====	=====
	LABORATORY SAMPLE NO.						
	=====	=====	=====	=====	=====	=====	=====
01	JV318	1926619	7.65	1328660	11.05	629033	13.36
02	783079	1969640	7.65	1333304	11.04	612048	13.34
03	783079MS	1875264	7.65	1327618	11.04	587987	13.35
04	783079MSD	1792052	7.66	1262251	11.04	598984	13.35
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 = Fluorobenzene
 IS2 (CBZ) = Chlorobenzene-d5
 IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50% of internal standard area
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

This is the Last Page of the Document



02/05/2007

Trillium, Inc.-PA
28 Grace's Drive
Coatesville, PA 19320

STL Edison

777 New Durham Road
Edison, NJ 08817

Tel 732 549 3900 Fax 732 549 3679
www.stl-inc.com

Attention: Dr. James Smith Ph.D.

Laboratory Results
Job No. B620 - Sky Harbor

Dear Dr. Smith:

Enclosed are the results you requested for the following sample(s) received at our laboratory on January 8, 2007.

<u>Lab No.</u>	<u>Client ID</u>	<u>Analysis Required</u>
798091	ASE-107A-6D1	8260 Special

This report is not to be reproduced, except in full, without the written approval of the laboratory.

An invoice for our services is also enclosed. If you have any questions, please contact me at (732) 549-3900.

Very Truly Yours,

A handwritten signature in black ink, appearing to read "ML Legg".

Michael Legg
Project Manager

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Analytical Results Summary

Client ID: ASE-107A-6D1
Site: Sky Harbor

Lab Sample No: 798091
Lab Job No: B620

Date Sampled: 11/02/06
Date Received: 01/08/07
Date Analyzed: 01/27/07
GC Column: Rtx-VMS
Instrument ID: VOAMS2.i
Lab File ID: b47527.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 8260B

<u>Parameter</u>	<u>Analytical Result</u> <u>Units: ug/l</u>	<u>Quantitation</u> <u>Limit</u> <u>Units: ug/l</u>
Chloromethane	ND	5.0
Bromomethane	ND	5.0
Vinyl Chloride	ND	5.0
Chloroethane	ND	5.0
Methylene Chloride	6.2	3.0
Trichlorofluoromethane	ND	5.0
1,1-Dichloroethene	ND	2.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,2-Dichloroethane	ND	2.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	2.0
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	1.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	3.0
Benzene	15	1.0
trans-1,3-Dichloropropene	ND	5.0
2-Chloroethyl Vinyl Ether	ND	5.0
Bromoform	ND	4.0
Tetrachloroethene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	4.4J	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	69	4.0
Xylene (Total)	24	5.0
Freon TF	ND	5.0
TBA	ND	100
MTBE	5.3	5.0
1,3-Dichlorobenzene	ND	5.0

Client ID: ASE-107A-6D1
Site: Sky Harbor

Lab Sample No: 798091
Lab Job No: B620

Date Sampled: 11/02/06
Date Received: 01/08/07
Date Analyzed: 01/27/07
GC Column: Rtx-VMS
Instrument ID: VOAMS2.i
Lab File ID: b47527.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 8260B

<u>Parameter</u>	<u>Analytical Result</u> <u>Units: ug/l</u>	<u>Quantitation</u> <u>Limit</u> <u>Units: ug/l</u>
1,4-Dichlorobenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
Dichlorodifluoromethane	ND	5.0

General Information

Chain of Custody

2274

[illegible]

Laboratory Chronicles

**INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison**

**777 New Durham Road, Edison, New Jersey
08817**

Job No: B620

Site: Sky Harbor

Client: Trillium, Inc.-PA

VOAMS

WATER - 8260B

Lab Sample ID	Date Sampled	Date Received	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
798091	11/2/2006	1/8/2007			1/27/2007	Boykin, Kenneth	4743

Methodology Review

Analytical Methodology Summary

Volatile Organics:

Unless otherwise specified, water samples are analyzed for volatile organics by purge and trap GC/MS as specified in EPA Method 624. Drinking water samples are analyzed by EPA Method 524.2 Rev 4.1. Solid samples are analyzed for volatile organics as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8260B.

Acid and Base/Neutral Extractable Organics:

Unless otherwise specified, water samples are analyzed for acid and/or base/neutral extractable organics by GC/MS in accordance with EPA Method 625. Solids are analyzed for acid and/or base/neutral extractable organics as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8270C.

GC/MS Nontarget Compound Analysis:

Analysis for nontarget compounds is conducted, upon request, in conjunction with GC/MS analyses by EPA Methods 624, 625, 8260B and 8270C. Nontarget compound analysis is conducted using a forward library search of the EPA/NIH/NBS mass spectral library of compounds at the greatest apparent concentration (10% or greater of the nearest internal standard) in each organic fraction (15 for volatile, 15 for base/neutrals and 10 for acid extractables).

Organochlorine Pesticides and PCBs:

Unless otherwise specified, water samples are analyzed for organochlorine pesticides and PCBs by dual column gas chromatography with electron capture detectors as specified in EPA Method 608. Solid samples are analyzed as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8081A for organochlorine pesticides and Method 8082 for PCBs.

Total Petroleum Hydrocarbons:

Water samples are analyzed for petroleum hydrocarbons by I.R. using EPA Method 418.1. Solid samples are prepared for analysis by soxhlet extraction consistent with the March 1990 N.J. DEP "Remedial Investigation Guide" Appendix A, page 52, and analyzed by U.S. EPA Method 418.1

Metals Analysis:

Metals analyses are performed by any of four techniques specified by a Method Code provided on each data report page, as follows:

P - Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP)

A - Flame Atomic Absorption

F - Furnace Atomic Absorption

CV - Manual Cold Vapor (Mercury)

Water samples are digested and analyzed using EPA methods provided in "Methods for Chemical Analysis of Water and Wastewater" (EPA 600/4-79-020). Solid samples are analyzed as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition); samples are digested according to Method 3050B "Acid Digestion of Soil, Sediments and Sludges."

Specific method references for ICP analyses are water Method - 200.7/SW846 6010B and for solid matrix - 6010B. Mercury analyses are conducted by the manual cold vapor technique specified by water Method 245.1/7470A and solid Method 7471A. Other specific Atomic Absorption method references are as follows:

<u>Element</u>	<u>Water Test Method Furnace</u>	<u>Solid Test Method Furnace</u>
Antimony	200.9	7041
Arsenic	200.9	7060A
Cadmium	200.9	7131A
Lead	200.9	7421
Selenium	200.9	7740
Thallium	200.9	7841

Cyanide:

Water samples are analyzed for cyanide using EPA Method 335.3. Cyanide is determined in solid samples as specified in the EPA Contract Laboratory Program IFB dated July 1988, revised February 1989.

Phenols:

Water samples are analyzed for total phenols using EPA Method 420.2. Total phenols are determined in water and solid samples by preparing the sample as outlined in the EPA Contract Laboratory Program IFB for cyanide, followed by a phenols determination using EPA Method 420.1.

Hexavalent Chromium:

Water samples are analyzed using EPA Method 7196A, EPA Method 7199 or (upon request) USGS -1230-35. Soil samples are subjected to alkaline digestion via EPA Method 3060A prior to analysis by EPA Method 7196A or EPA Method 7199.

Cleanup of Semivolatile Extracts:

Upon request Method 3611B Alumina Column Cleanup and/or Method 3650B Acid-Base Partition Cleanup are performed to improve detection limits by the removal of saturated hydrocarbon interferences.

Hazardous Waste Characteristics:

Samples for hazardous waste characteristics are analyzed as specified in the U.S. EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition). Specific method references are as follows:

- Ignitability - Method 1020A
- Corrosivity - Water pH Method 9040B
Soil pH Method 9045C
- Reactivity - Chapter 7, Section 7.3.3 and 7.3.4
respectively for hydrogen cyanide and
hydrogen sulfide release
- Toxicity - TCLP Method 1311

Miscellaneous Parameters:

Additional analyses performed on both aqueous and solid samples are in accordance with methods published in the following references:

- Test Methods for Evaluating Solid Wastes, SW-846 3rd Edition, November 1986.
- Standard Methods for the Examination of Water and Wastewater, 18th Edition.
- Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, 1979.

Data Reporting Qualifiers

DATA REPORTING QUALIFIERS

- ND - The compound was not detected at the indicated concentration.
- J - Mass spectral data indicates the presence of a compound that meets the identification criteria. The result is less than the specified detection limit but greater than zero. The concentration given is an approximate value.
- B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.
- P - For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.
- * - For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.

Non-Conformance Summary



Nonconformance Summary

STL Edison Job Number: B620

Client: Trillium, Inc.-PA

Date: 2/2/2007

Sample Receipt:

Sample delivery conforms with requirements.

Volatile Organic Analysis (GC/MS):

All data conforms with method requirements.

I certify that the test results contained in this data package meet all requirements of NELAC both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this package has been authorized by the Laboratory Director or their designee, as verified by the following signature.

A handwritten signature in black ink, appearing to read 'ML Legg'.

Michael Legg
Project Manager

GC/MS Forms and Data (Volatiles)

Results Summary and Chromatograms

Client ID: ASE-107A-6D1
Site: Sky Harbor

Lab Sample No: 798091
Lab Job No: B620

Date Sampled: 11/02/06
Date Received: 01/08/07
Date Analyzed: 01/27/07
GC Column: Rtx-VMS
Instrument ID: VOAMS2.i
Lab File ID: b47527.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 8260B

<u>Parameter</u>	<u>Analytical Result</u> <u>Units: ug/l</u>	<u>Quantitation</u> <u>Limit</u>
		<u>Units: ug/l</u>
Chloromethane	ND	5.0
Bromomethane	ND	5.0
Vinyl Chloride	ND	5.0
Chloroethane	ND	5.0
Methylene Chloride	6.2	3.0
Trichlorofluoromethane	ND	5.0
1,1-Dichloroethene	ND	2.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,2-Dichloroethane	ND	2.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	2.0
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	1.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	3.0
Benzene	15	1.0
trans-1,3-Dichloropropene	ND	5.0
2-Chloroethyl Vinyl Ether	ND	5.0
Bromoform	ND	4.0
Tetrachloroethene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	4.4J	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	69	4.0
Xylene (Total)	24	5.0
Freon TF	ND	5.0
TBA	ND	100
MTBE	5.3	5.0
1,3-Dichlorobenzene	ND	5.0

Client ID: ASE-107A-6D1
Site: Sky Harbor

Lab Sample No: 798091
Lab Job No: B620

Date Sampled: 11/02/06
Date Received: 01/08/07
Date Analyzed: 01/27/07
GC Column: Rtx-VMS
Instrument ID: VOAMS2.i
Lab File ID: b47527.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 8260B

<u>Parameter</u>	<u>Analytical Result</u> <u>Units: ug/l</u>	<u>Quantitation</u> <u>Limit</u> <u>Units: ug/l</u>
1,4-Dichlorobenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
Dichlorodifluoromethane	ND	5.0

Data File: /chem/VOAMS2.i/8260HIGH_SP/01-25-07/26jan07.b/b47527.d
 Report Date: 30-Jan-2007 15:46

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260HIGH_SP/01-25-07/26jan07.b/b47527.d
 Lab Smp Id: 798091 Client Smp ID: ASE-107A-6D1
 Inj Date : 27-JAN-2007 00:26 Inst ID: VOAMS2.i
 Operator : VOAMS 3
 Smp Info : 798091
 Misc Info : B620;4743;;KLB
 Comment :
 Method : /chem/VOAMS2.i/8260HIGH_SP/01-25-07/26jan07.b/8260H_06.m
 Meth Date : 26-Jan-2007 19:29 eddie Quant Type: ISTD
 Cal Date : 26-JAN-2007 00:10 Cal File: b47507.d
 Als bottle: 11
 Dil Factor: 1.00000 Compound Sublist: PPDCBFMT.sub
 Integrator: HP RTE
 Target Version: 3.50

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	SampleVolume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/L)	FINAL (ug/L)
6 Methylene Chloride	84	4.853	4.838	(0.618)	112616	6.21348	6.2
53 MTBE	73	5.180	5.180	(0.659)	205325	5.28145	5.3
\$ 16 1,2-Dichloroethane-d4 (SUR)	65	7.409	7.410	(0.943)	936069	47.5006	48
28 Benzene	78	7.528	7.528	(0.958)	671208	14.8302	15
* 19 Fluorobenzene	96	7.855	7.855	(1.000)	2933762	50.0000	
\$ 37 Toluene-d8 (SUR)	98	9.787	9.787	(0.855)	2563716	49.5140	50
38 Toluene	91	9.876	9.877	(0.862)	248700	4.43043	4.4 (a)
* 32 Chlorobenzene-d5	117	11.451	11.452	(1.000)	2214598	50.0000	
40 Ethylbenzene	106	11.585	11.586	(1.012)	1296674	68.8621	69
43 m+p-Xylene	106	11.704	11.705	(1.022)	461204	18.9162	19
44 o-Xylene	106	12.150	12.150	(1.061)	121514	5.32729	5.3
\$ 41 Bromofluorobenzene (SUR)	174	12.715	12.715	(0.914)	1291877	48.5441	48
* 91 1,4-Dichlorobenzene-d4	152	13.904	13.904	(1.000)	1217541	50.0000	
M 45 Xylene (Total)	100				582718	24.4249	24

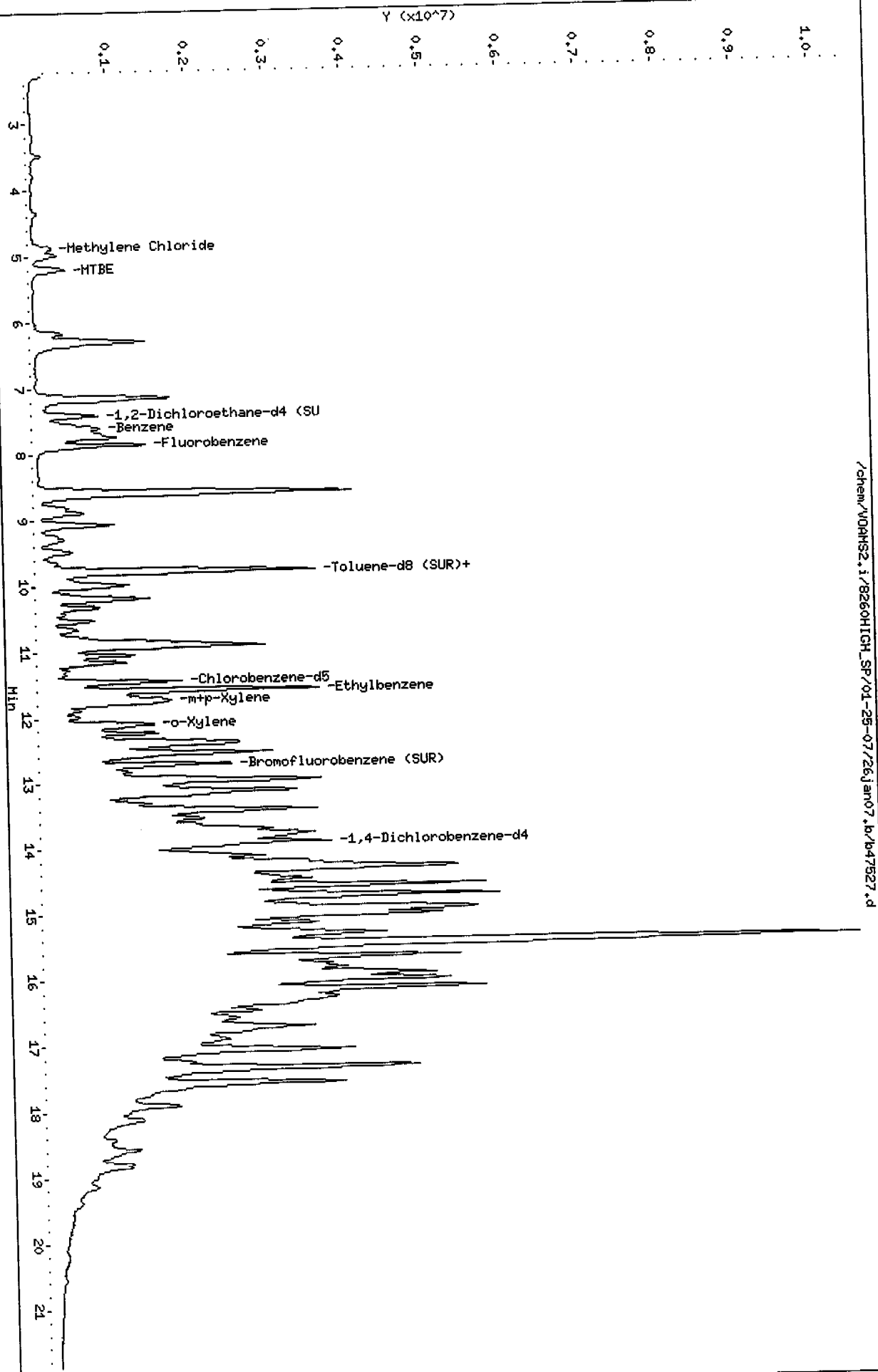
Data File: /chem/VOAMS2.i/8260HIGH_SP/01-25-07/26jan07.b/b47527.d
Report Date: 30-Jan-2007 15:46

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: /chem/VOAHS2.i/8260HIGH_SP/01-25-07/26jan07.b/b47527.d
 Date : 27-JAN-2007 00:26
 Client ID: ASE-107A-6D1
 Sample Info: 798091
 Purge Volume: 5.0
 Column phase: Rtx-VHS

Instrument: VOAHS2.i
 Operator: VOAHS 3
 Column diameter: 0.18



Data File: /chem/VOAMS2.i/8260HIGH_SP/01-25-07/26jan07.b/b47527.d

Date : 27-JAN-2007 00:26

Client ID: ASE-107A-6D1

Instrument: VOAMS2.i

Sample Info: 798091

Purge Volume: 5.0

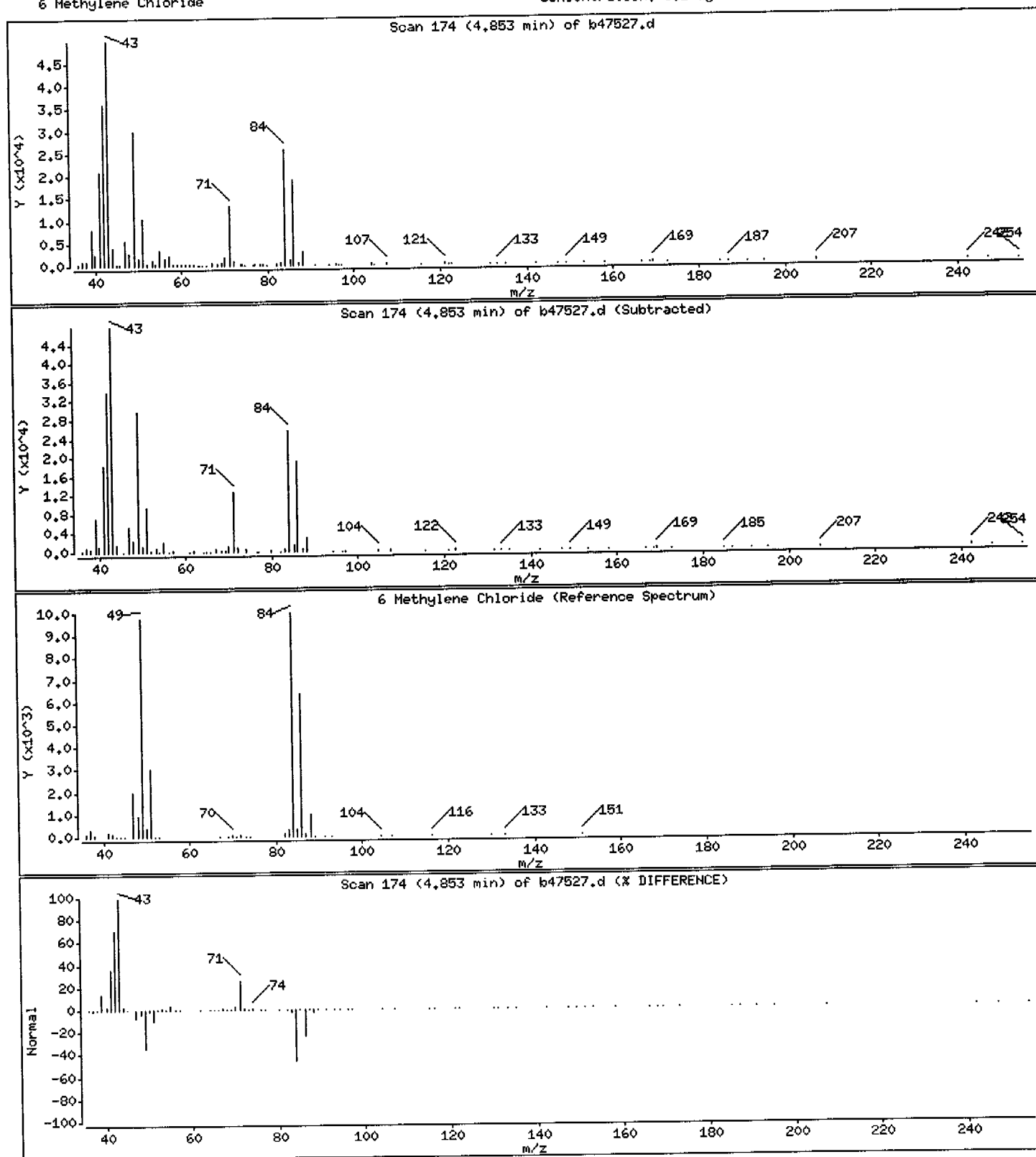
Operator: VOAMS 3

Column phase: Rtx-VMS

Column diameter: 0.18

6 Methylene Chloride

Concentration: 6.2 ug/L



Data File: /chem/VOAMS2.i/8260HIGH_SP/01-25-07/26jan07.b/b47527.d

Date : 27-JAN-2007 00:26

Client ID: ASE-107A-6D1

Instrument: VOAMS2.i

Sample Info: 798091

Purge Volume: 5.0

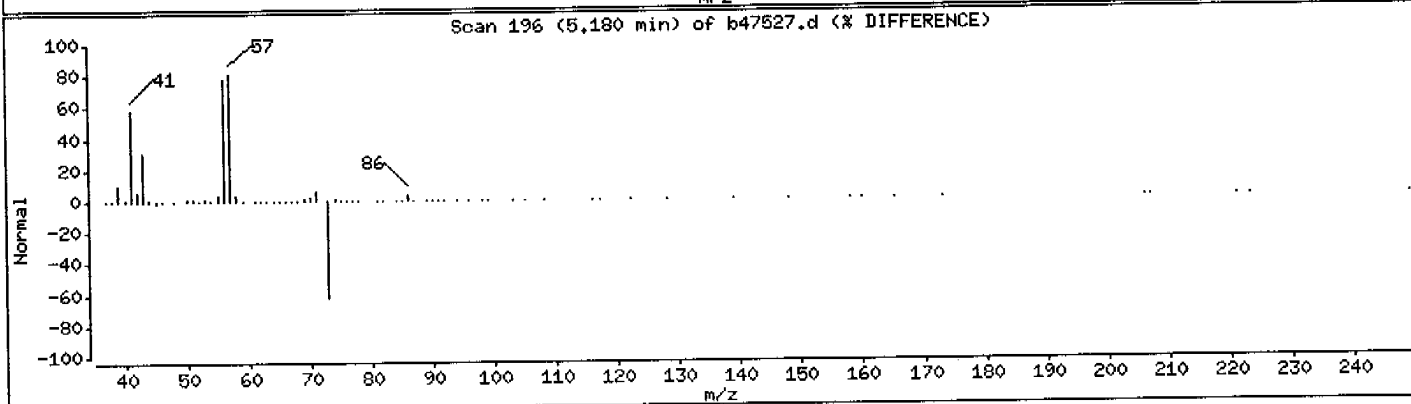
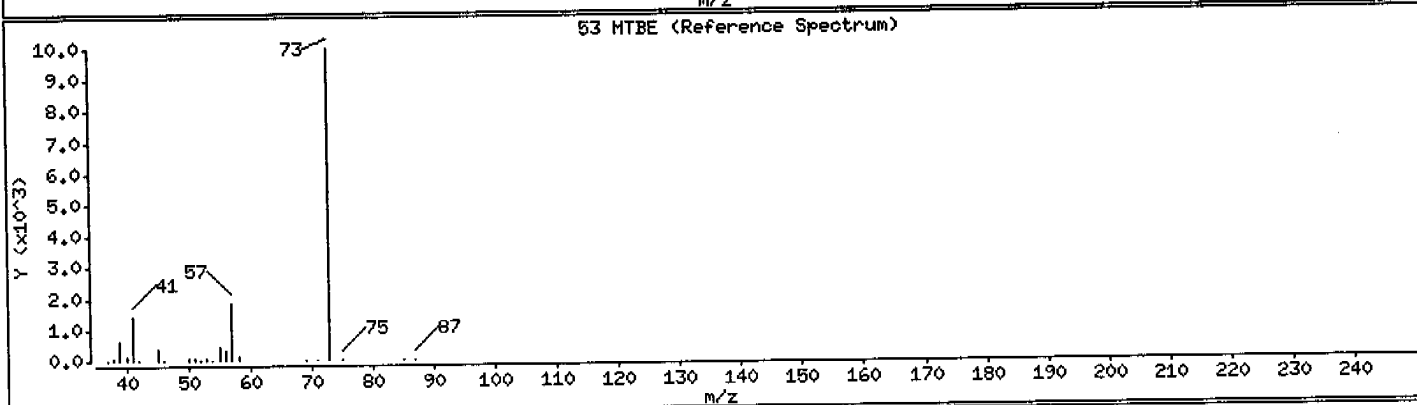
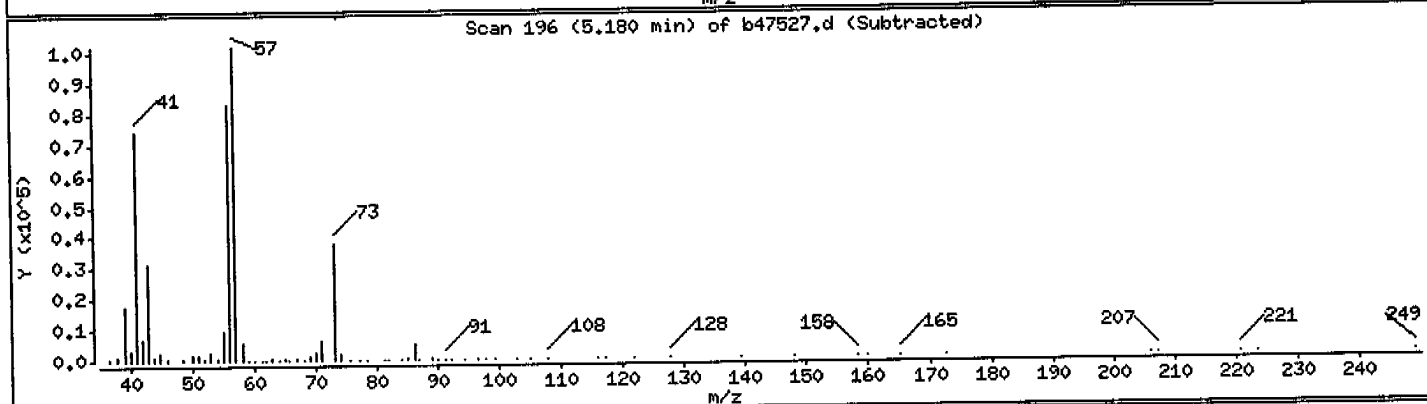
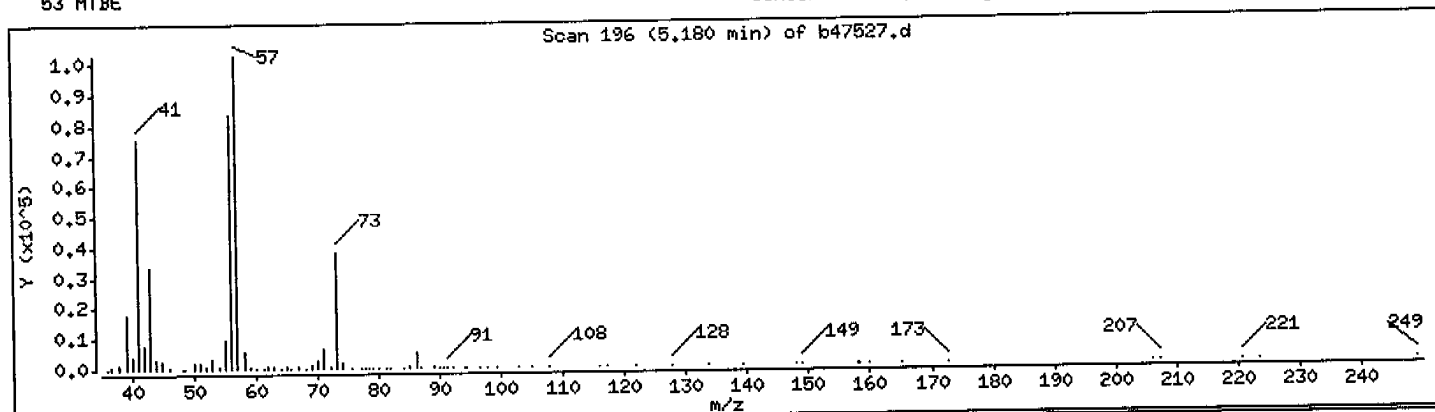
Operator: VOAMS 3

Column phase: Rtx-VMS

Column diameter: 0.18

53 MTBE

Concentration: 5.3 ug/L



Data File: /chem/VOAMS2.i/8260HIGH_SP/01-25-07/26jan07.b/b47527.d

Date : 27-JAN-2007 00:26

Client ID: ASE-107A-6D1

Instrument: VOAMS2.i

Sample Info: 798091

Purge Volume: 5.0

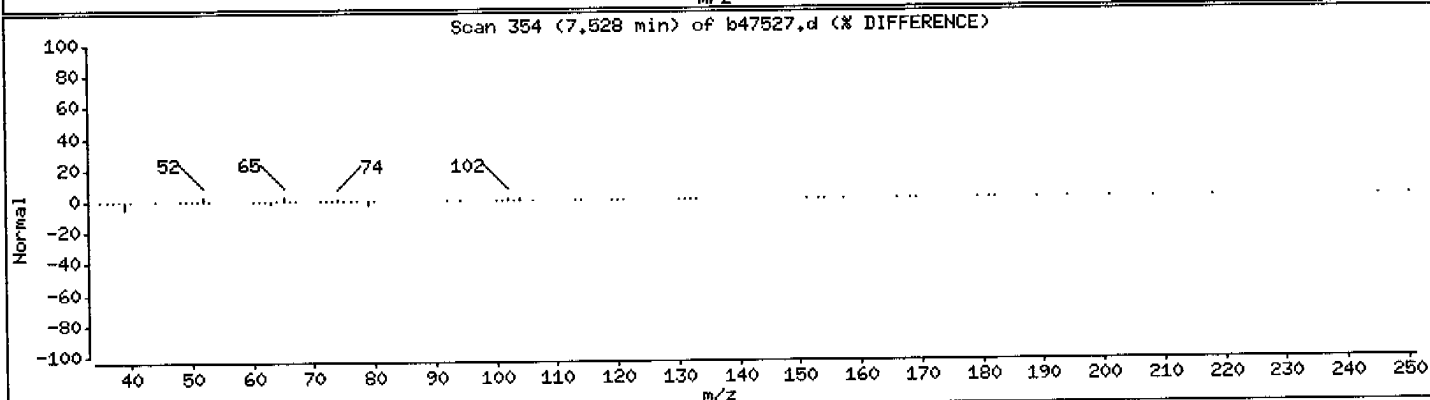
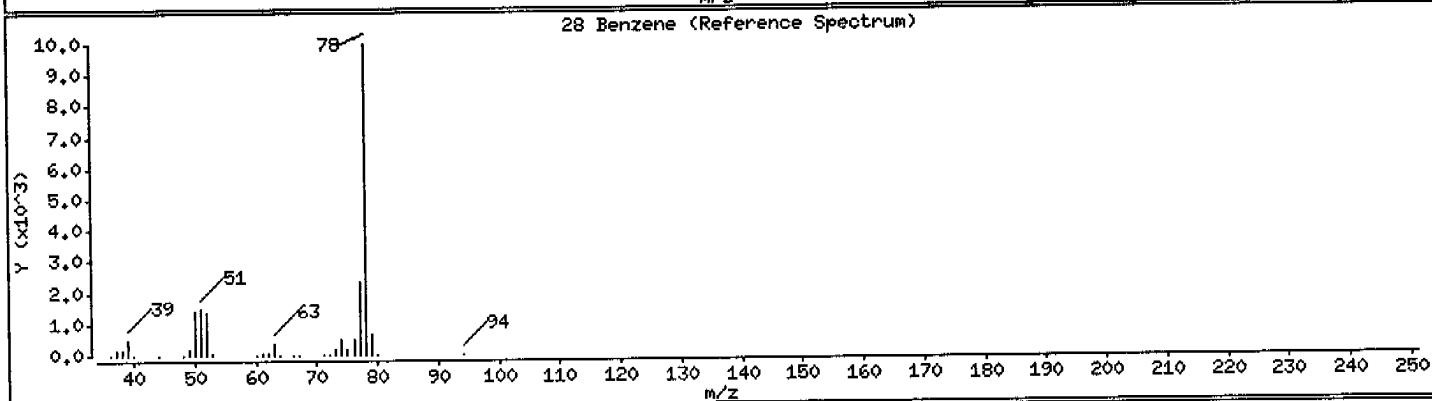
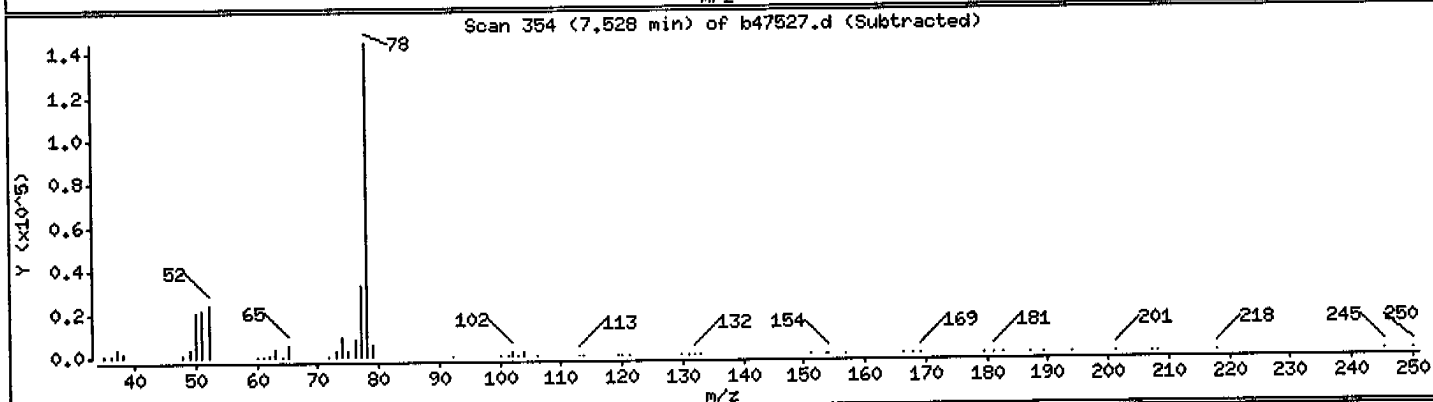
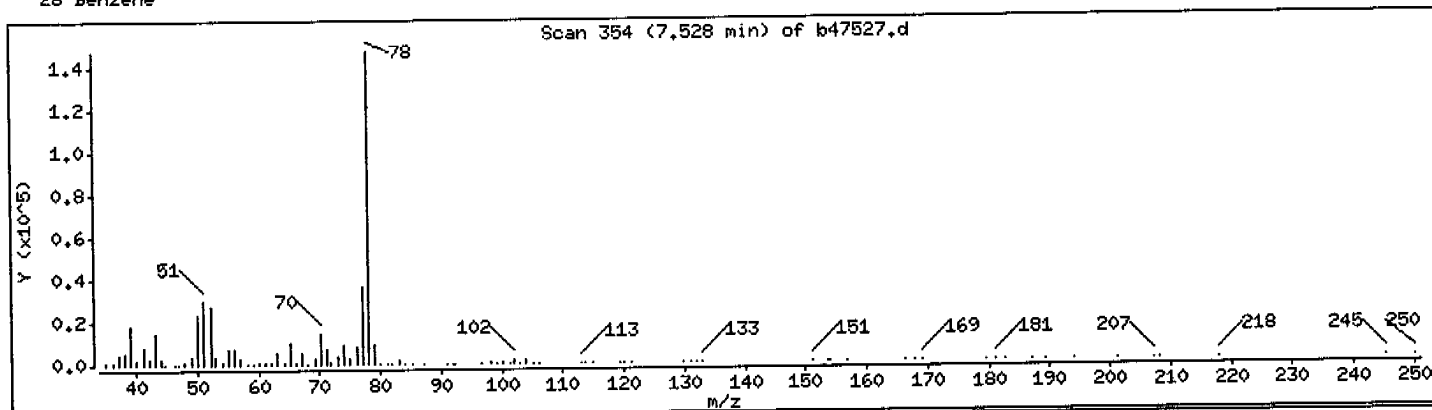
Operator: VOAMS 3

Column phase: Rtx-VMS

Column diameter: 0.18

28 Benzene

Concentration: 15 ug/L



Data File: /chem/VOAMS2.i/8260HIGH_SP/01-25-07/26jan07.b/b47527.d

Date : 27-JAN-2007 00:26

Client ID: ASE-107A-6D1

Instrument: VOAMS2.i

Sample Info: 798091

Purge Volume: 5.0

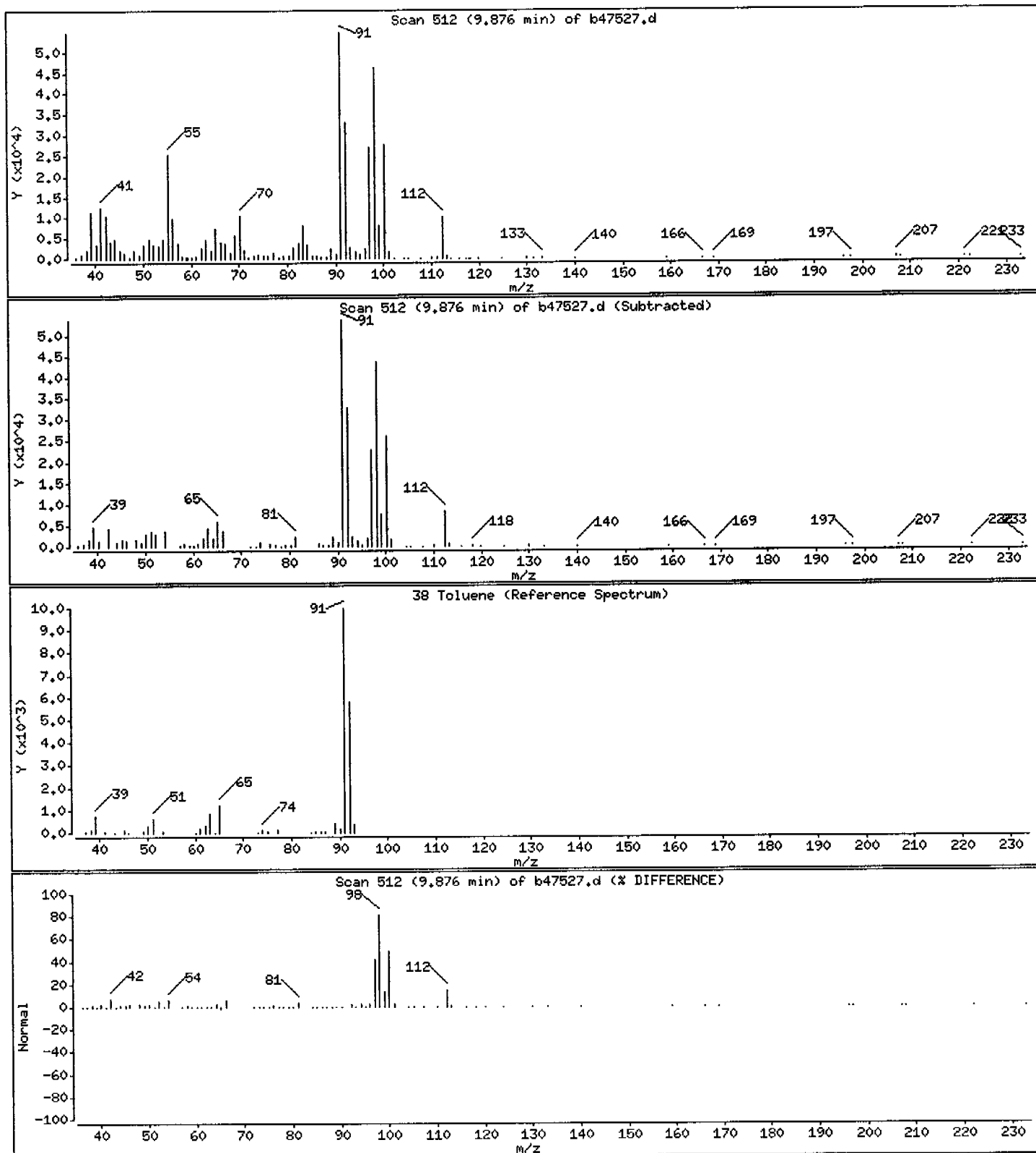
Operator: VOAMS 3

Column phase: Rtx-VMS

Column diameter: 0.18

38 Toluene

Concentration: 4.4 ug/L



Data File: /chem/VOAMS2.i/8260HIGH_SP/01-25-07/26jan07.b/b47527.d

Date : 27-JAN-2007 00:26

Client ID: ASE-107A-6D1

Instrument: VOAMS2.i

Sample Info: 798091

Purge Volume: 5.0

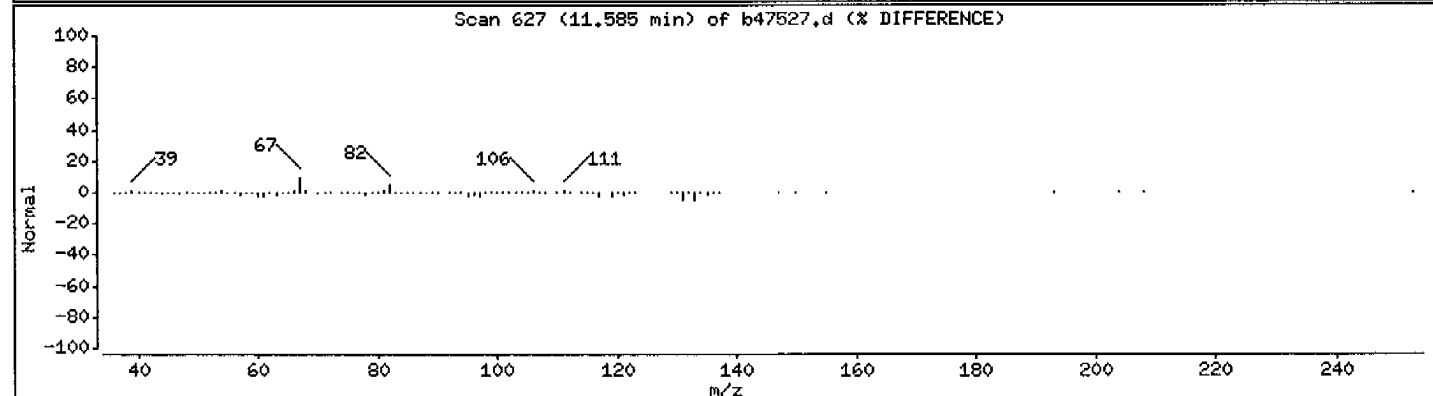
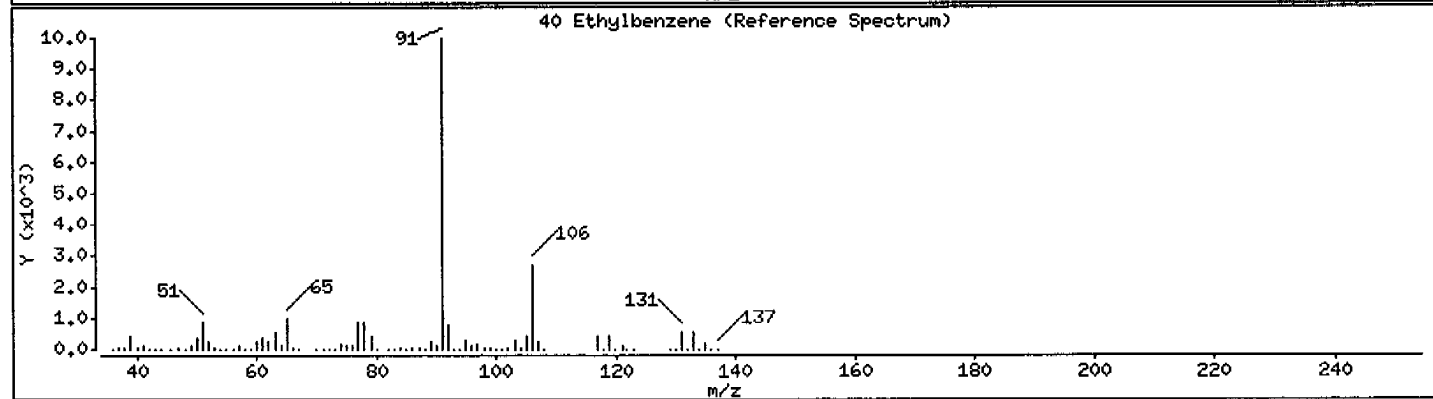
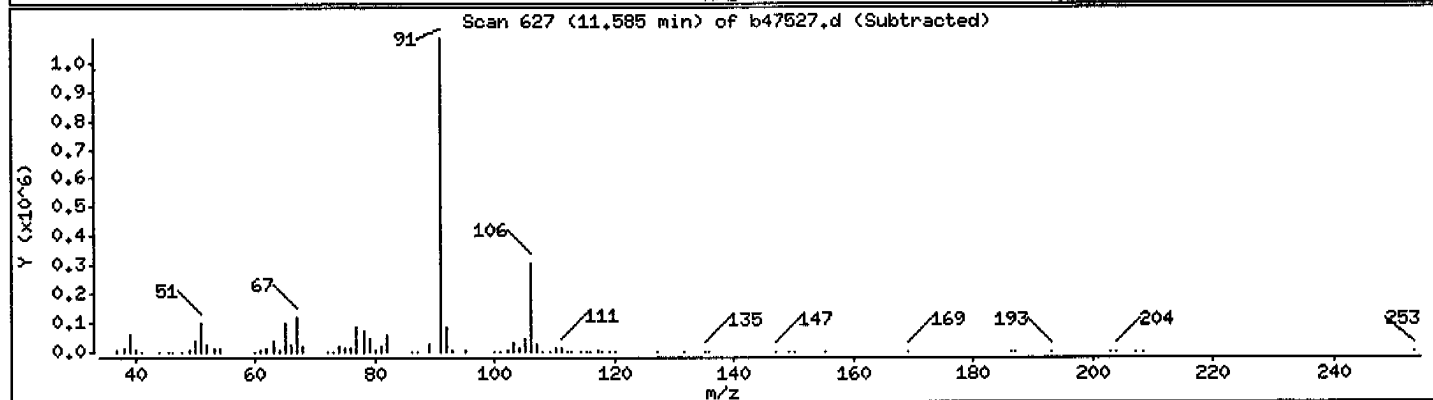
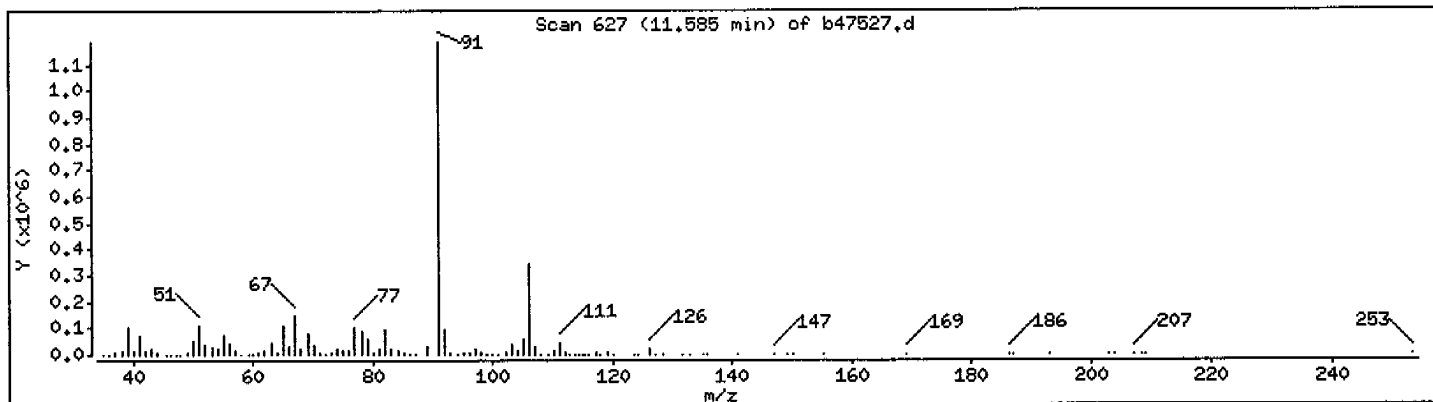
Operator: VOAMS 3

Column phase: Rtx-VMS

Column diameter: 0.18

40 Ethylbenzene

Concentration: 69 ug/L



Data File: /chem/VOAMS2.i/8260HIGH_SP/01-25-07/26jan07.b/b47527.d

Date : 27-JAN-2007 00:26

Client ID: ASE-107A-6D1

Instrument: VOAMS2.i

Sample Info: 798091

Purge Volume: 5.0

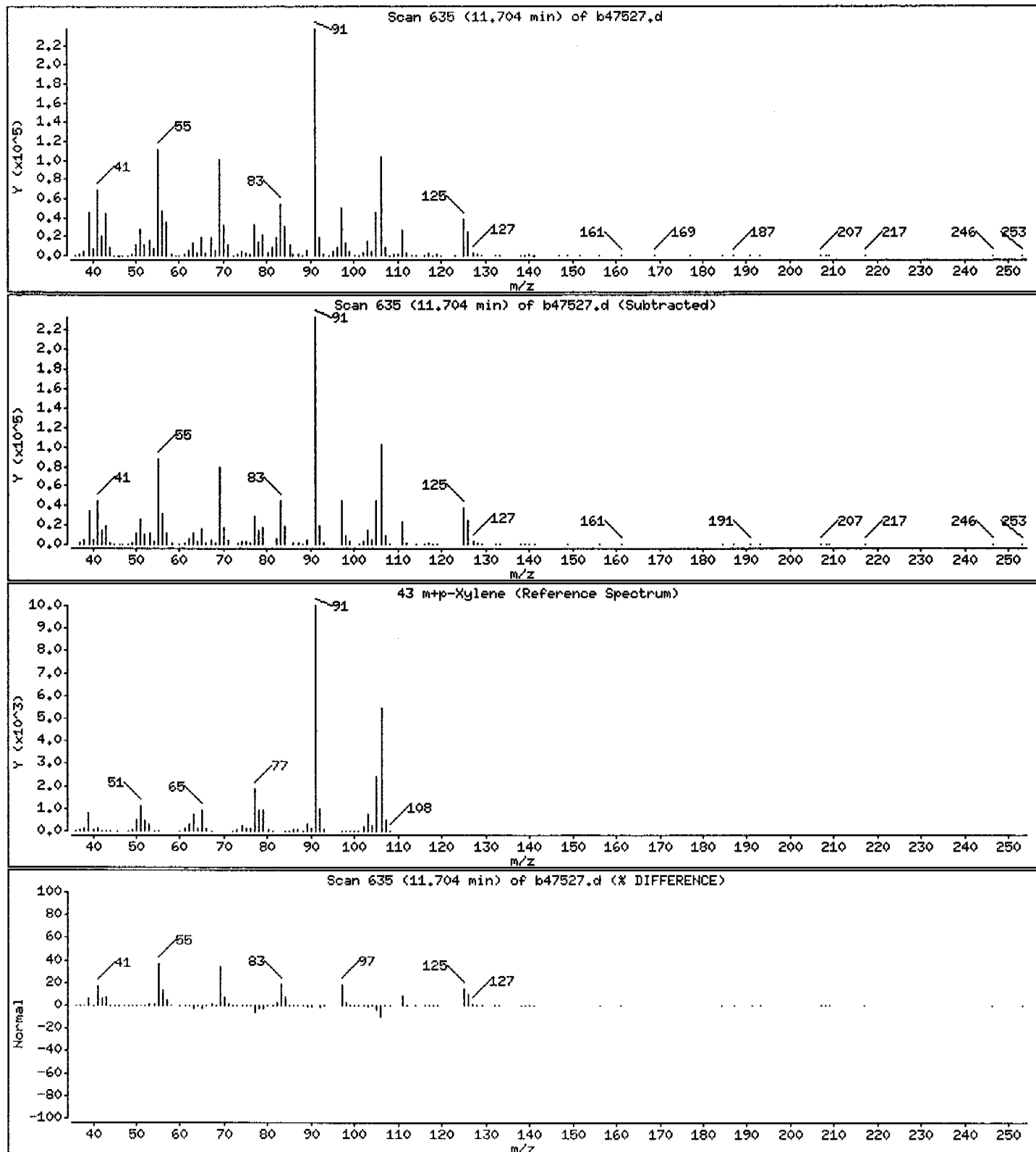
Operator: VOAMS 3

Column phase: Rtx-VMS

Column diameter: 0.18

43 m+p-Xylene

Concentration: 19 ug/L



Data File: /chem/VOAMS2.i/8260HIGH_SP/01-25-07/26jan07.b/b47527.d

Date : 27-JAN-2007 00:26

Client ID: ASE-107A-6D1

Instrument: VOAMS2.i

Sample Info: 798091

Purge Volume: 5.0

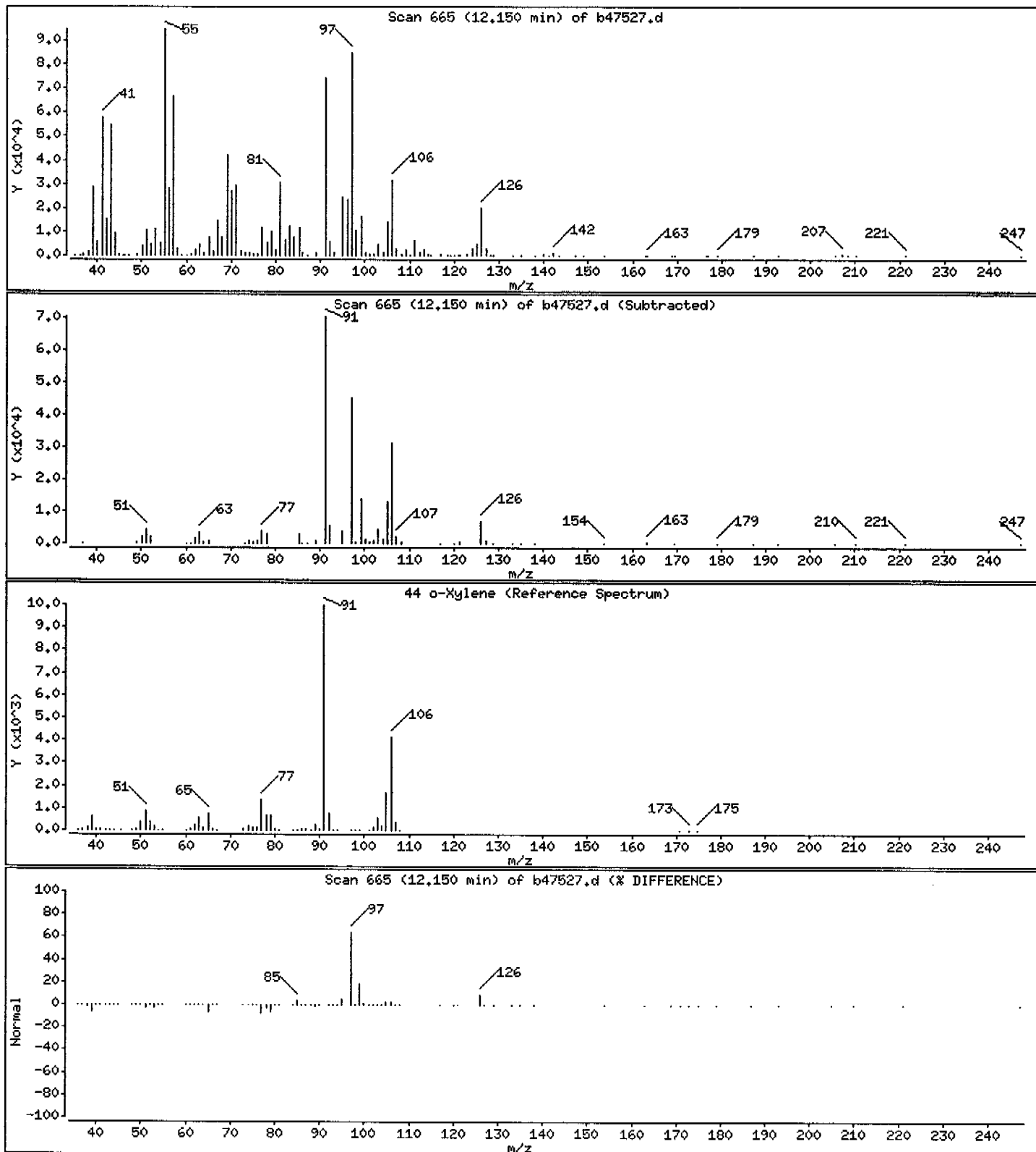
Operator: VOAMS 3

Column phase: Rtx-VMS

Column diameter: 0.18

44 o-Xylene

Concentration: 5.3 ug/L



Tuning Results Summary

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab File ID: B47494

BFB Injection Date: 01/25/07

Instrument ID: VOAMS2

BFB Injection Time: 1639

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.0
75	30.0 - 60.0% of mass 95	44.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 100.0% of mass 95	70.0
175	5.0 - 9.0% of mass 174	5.3 (7.5)1
176	95.0 - 101.0% of mass 174	69.7 (99.6)1
177	5.0 - 9.0% of mass 176	4.2 (6.0)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE No.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	BSTD010	BSTD010	B47497	01/25/07	1759
02	BSTD020	BSTD020	B47498	01/25/07	1830
03	BSTD050	BSTD050	B47499	01/25/07	1907
04	BSTD200	BSTD200	B47501	01/25/07	2006
05	BSTD005	BSTD005	B47504	01/25/07	2135
06	BSTD100	BSTD100	B47507	01/26/07	0010
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

Date : 25-JAN-2007 16:39

Client ID:

Instrument: VOAMS2.i

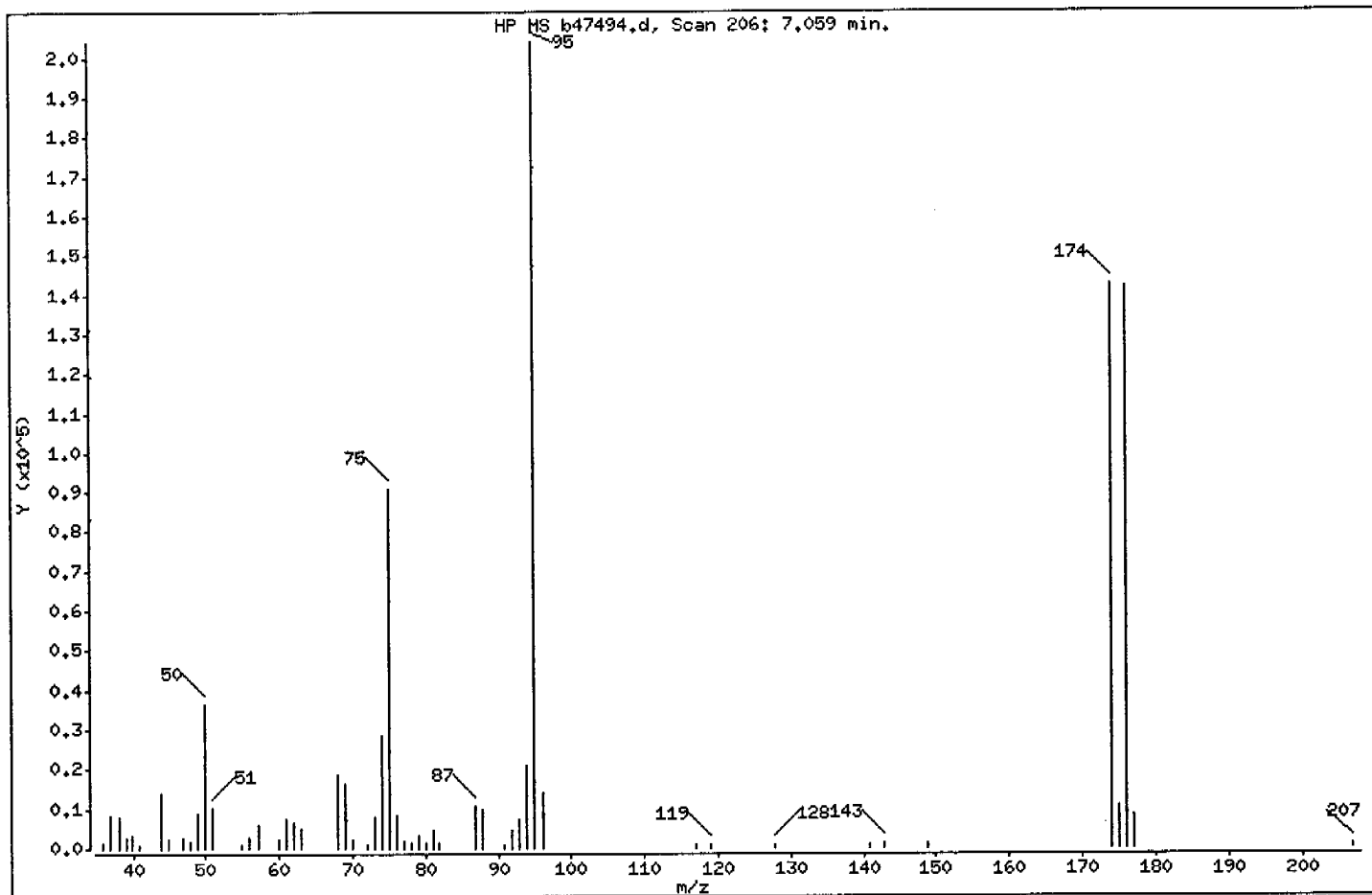
Sample Info: BBFB025

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53

1 Bromofluorobenzene



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	18.00
75	30.00 - 60.00% of mass 95	44.52
96	5.00 - 9.00% of mass 95	6.93
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	69.99
175	5.00 - 9.00% of mass 174	5.26 (7.51)
176	95.00 - 101.00% of mass 174	69.71 (99.60)
177	5.00 - 9.00% of mass 176	4.21 (6.04)

Date : 25-JAN-2007 16:39

Client ID:

Instrument: VOAMS2.i

Sample Info: BBFB025

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53

Data File: b47494.d

Spectrum: HP MS b47494.d, Scan 206: 7.059 min.

Location of Maximum: 95.00

Number of points: 53

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.85	1386	56.00	2808	76.95	1907	116.90	918
36.95	8421	57.10	5866	78.05	1286	119.00	1154
38.05	7952	60.00	2479	78.95	3239	127.85	1042
39.05	2733	61.00	7714	79.95	1614	140.85	926
39.95	3511	62.00	6455	80.95	4573	142.85	1233
40.95	837	63.00	5149	81.75	1223	148.90	1206
44.00	14234	68.00	18688	86.95	10910	173.95	142848
45.00	2227	69.05	16616	87.95	9807	174.95	10731
47.00	2810	70.05	2392	90.95	1083	175.95	142272
48.00	1960	72.05	958	91.95	4509	176.95	8597
49.00	8716	73.05	7946	92.95	7524	206.90	945
50.00	36728	74.05	28448	93.95	21000		
51.00	10122	75.05	90856	95.00	204096		
55.00	845	76.05	8523	96.10	14140		

Date : 25-JAN-2007 16:39

Client ID:

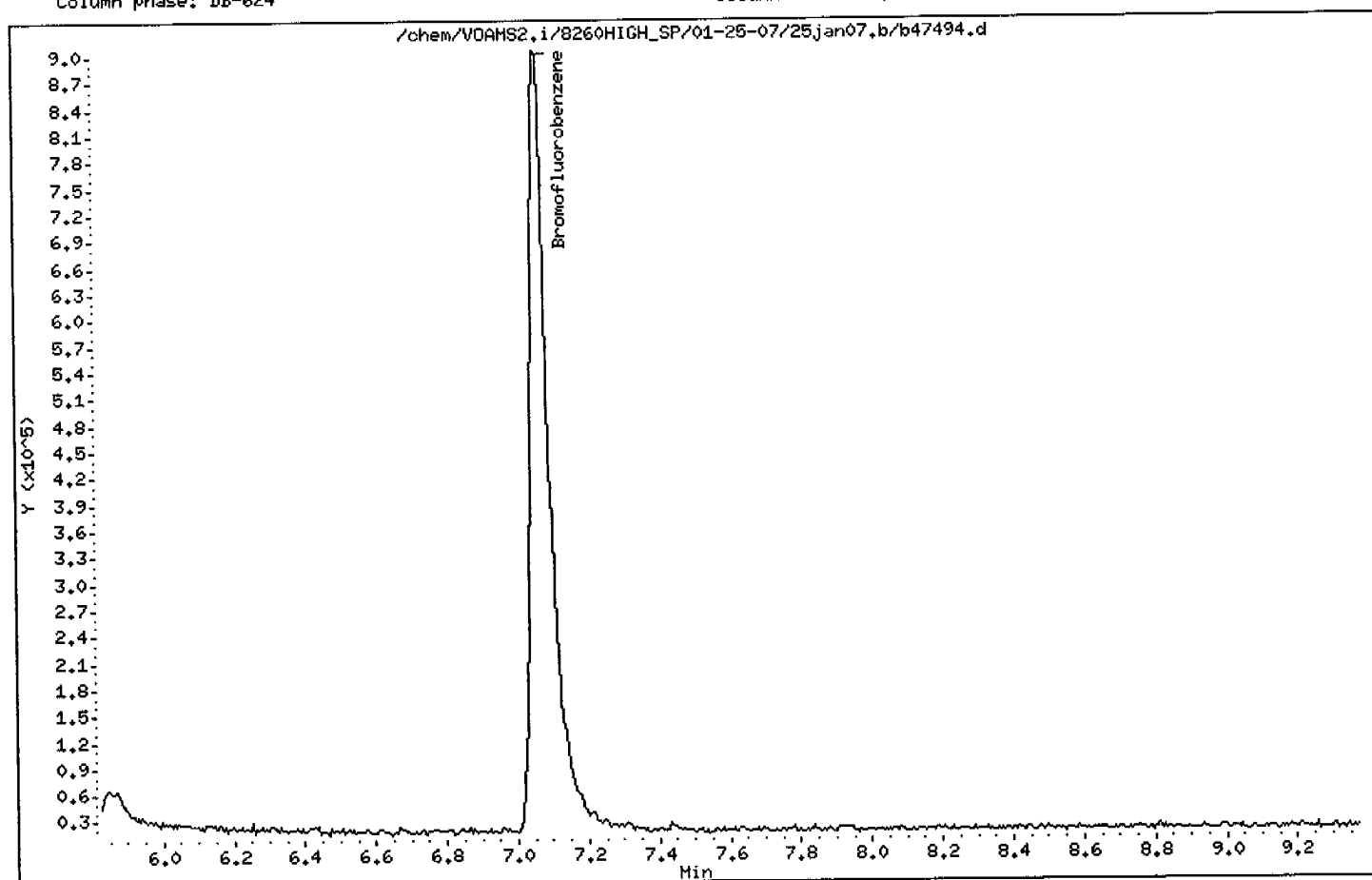
Instrument: VOAMS2.i

Sample Info: BBFB025

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53



VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab File ID: B47511

BFB Injection Date: 01/26/07

Instrument ID: VOAMS2

BFB Injection Time: 1618

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.6
75	30.0 - 60.0% of mass 95	44.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.0
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 100.0% of mass 95	75.8
175	5.0 - 9.0% of mass 174	5.7 (7.6)1
176	95.0 - 101.0% of mass 174	74.7 (98.6)1
177	5.0 - 9.0% of mass 176	5.4 (7.3)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE No.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	BSTD026	BSTD026	B47513	01/26/07	1717
02	BV026A	BV026A	B47516	01/26/07	1848
03	ASE-107A-6D1	798091	B47527	01/27/07	0026
04					
05					
06					
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16					
17					
18					
19					
20					
21					
22					

Date : 26-JAN-2007 16:18

Client ID:

Instrument: VOAMS2.i

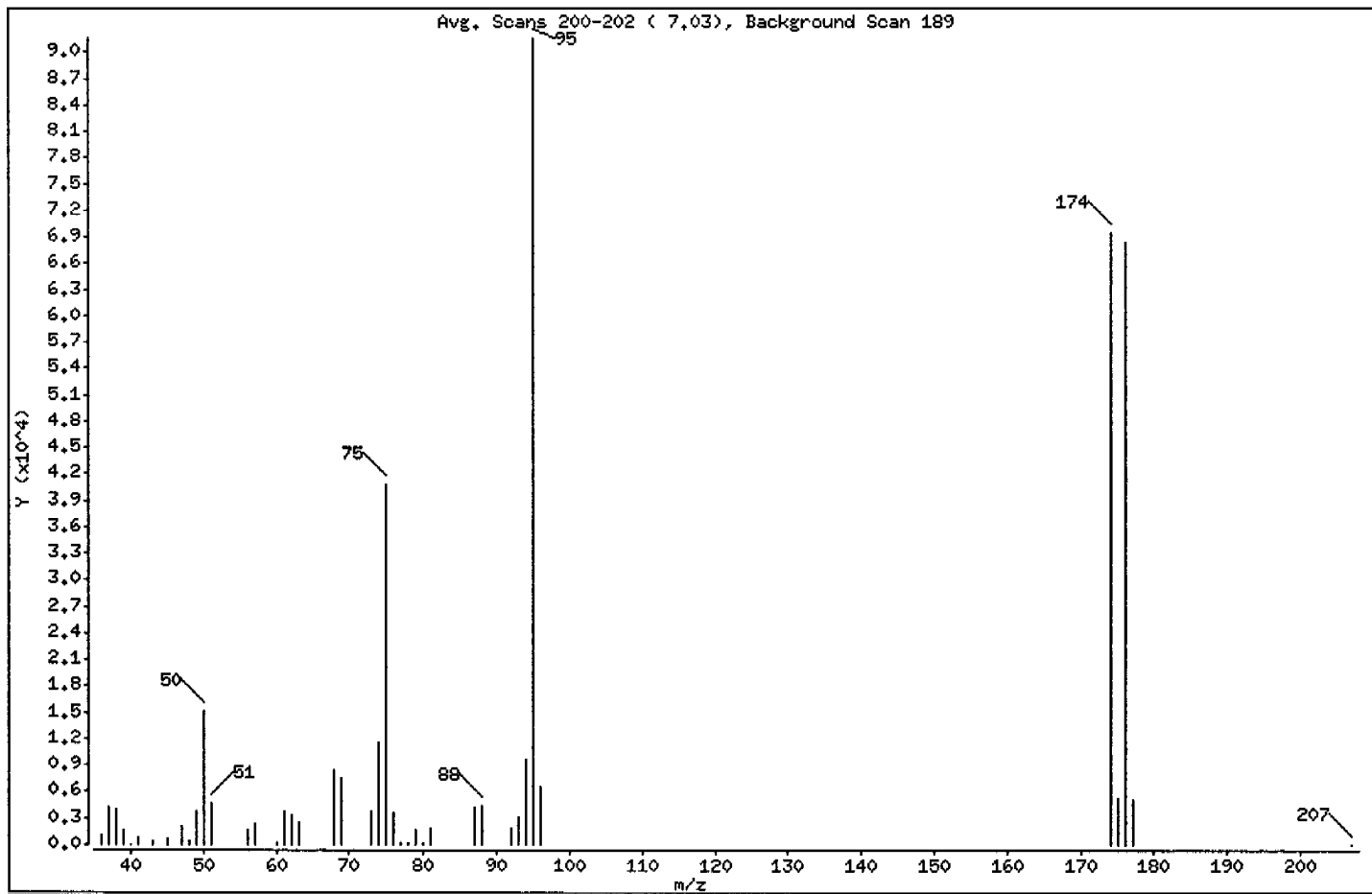
Sample Info: BBFB026

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0,53

1 Bromofluorobenzene



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	16.64
75	30.00 - 60.00% of mass 95	44.54
96	5.00 - 9.00% of mass 95	7.05
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	75.77
175	5.00 - 9.00% of mass 174	5.75 (7.59)
176	95.00 - 101.00% of mass 174	74.68 (98.56)
177	5.00 - 9.00% of mass 176	5.42 (7.26)

Date : 26-JAN-2007 16:18

Client ID:

Instrument: VOAMS2.i

Sample Info: BBFB026

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53

Data File: b47511.d

Spectrum: Avg. Scans 200-202 (7.03), Background Scan 189

Location of Maximum: 95.00

Number of points: 42

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1073	50.00	15234	74.00	11591	93.00	3210
37.00	4244	51.00	4562	75.00	40768	94.00	9668
38.00	3915	56.00	1734	76.00	3496	95.00	91528
39.00	1665	57.00	2245	77.00	313	96.00	6453
40.00	69	60.00	313	78.00	290	174.00	69352
41.00	834	61.00	3815	79.00	1630	175.00	5262
43.00	319	62.00	3446	80.00	306	176.00	68352
45.00	606	63.00	2609	81.00	1998	177.00	4965
47.00	2006	68.00	8497	87.00	4236	207.00	42
48.00	388	69.00	7581	88.00	4314		
49.00	3739	73.00	3883	92.00	1865		

Date : 26-JAN-2007 16:18

Client ID:

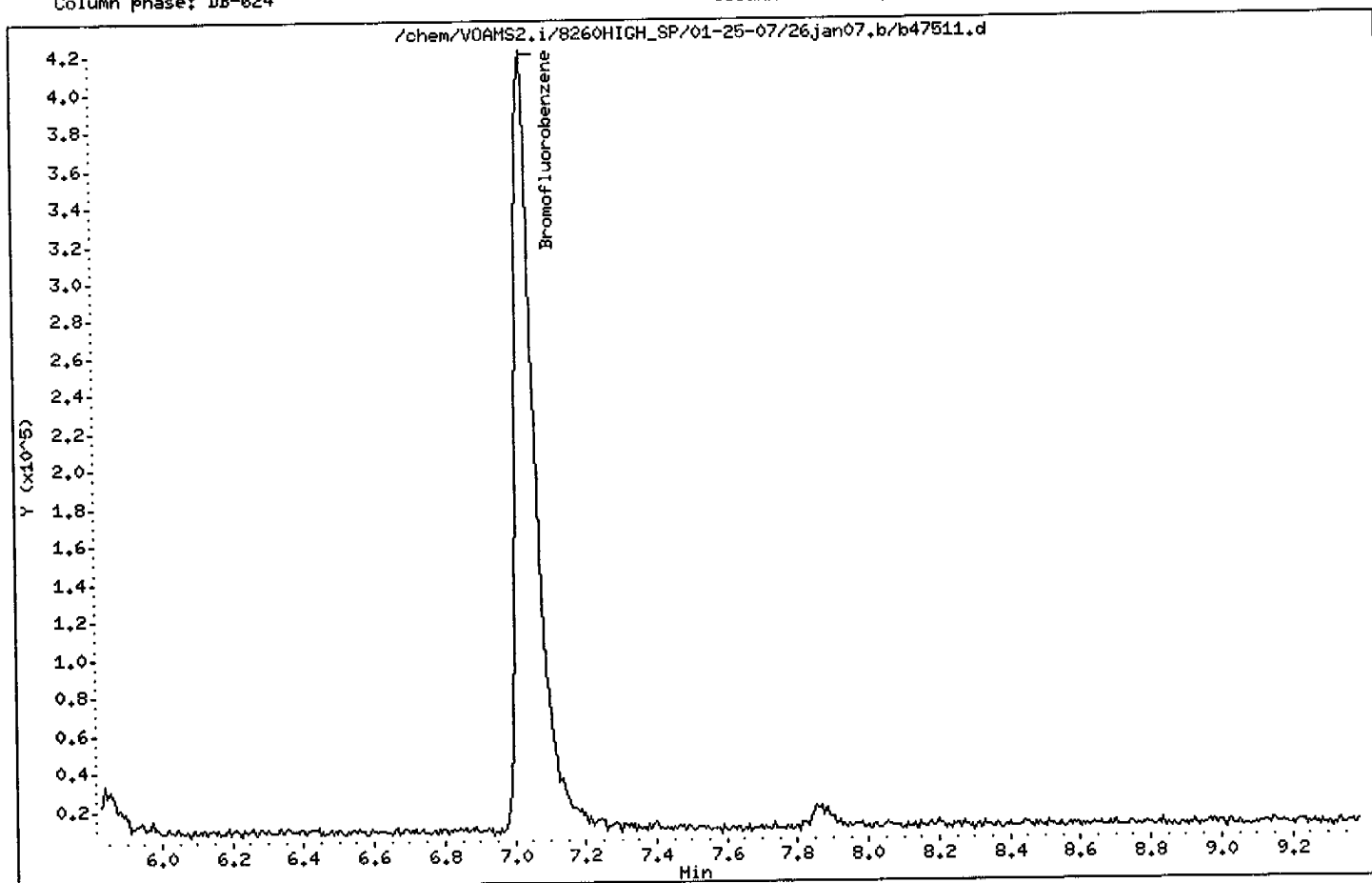
Instrument: VOAMS2.i

Sample Info: BBFB026

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53



Method Blank Results Summary

VOLATILE METHOD BLANK SUMMARY

LAB SAMPLE NO.

BV026A

Matrix: WATER

Date Analyzed: 01/26/07

Level: LOW

Time Analyzed: 1848

Lab File ID: B47516

Heated Purge (Y/N) N

Instrument ID: VOAMS2

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT ID.	LAB SAMPLE NO	LAB FILE ID	TIME ANALYZED
	=====	=====	=====	=====
01	ASE-107A-6D1	798091	B47527	0026
02				
03				
04				
05				
06				
07				
08				
09				
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12				
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29				
30				

COMMENTS:

Client ID: BV026A
Site:

Lab Sample No: BV026A
Lab Job No: B620

Date Sampled: _____
Date Received: _____
Date Analyzed: 01/26/07
GC Column: Rtx-VMS
Instrument ID: VOAMS2.i
Lab File ID: b47516.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 8260B

<u>Parameter</u>	<u>Analytical Result</u> <u>Units: ug/l</u>	<u>Quantitation</u> <u>Limit</u> <u>Units: ug/l</u>
Chloromethane	ND	5.0
Bromomethane	ND	5.0
Vinyl Chloride	ND	5.0
Chloroethane	ND	5.0
Methylene Chloride	ND	3.0
Acetone	ND	5.0
Carbon Disulfide	ND	5.0
Trichlorofluoromethane	ND	5.0
1,1-Dichloroethene	ND	2.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,2-Dichloroethane	ND	2.0
2-Butanone	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	2.0
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	1.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	3.0
Benzene	ND	1.0
trans-1,3-Dichloropropene	ND	5.0
2-Chloroethyl Vinyl Ether	ND	5.0
Bromoform	ND	4.0
4-Methyl-2-Pentanone	ND	5.0
2-Hexanone	ND	5.0
Tetrachloroethene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	4.0

Client ID: BV026A
Site:

Lab Sample No: BV026A
Lab Job No: B620

Date Sampled: _____
Date Received: _____
Date Analyzed: 01/26/07
GC Column: Rtx-VMS
Instrument ID: VOAMS2.i
Lab File ID: b47516.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 8260B

<u>Parameter</u>	<u>Analytical Result</u> <u>Units: ug/l</u>	<u>Quantitation</u> <u>Limit</u> <u>Units: ug/l</u>
Styrene	ND	5.0
Xylene (Total)	ND	5.0
Ethyl Ether	ND	5.0
Acrolein	ND	100
Freon TF	ND	5.0
Isopropanol	ND	500
Acetonitrile	ND	100
TBA	ND	100
Acrylonitrile	ND	50
MTBE	ND	5.0
Hexane	ND	5.0
DIPE	ND	5.0
Ethyl Acetate	ND	10
Vinyl Acetate	ND	5.0
Tetrahydrofuran	ND	5.0
Cyclohexane	ND	5.0
Isobutanol	ND	500
Isopropyl Acetate	ND	10
n-Heptane	ND	5.0
n-Butanol	ND	500
Propyl Acetate	ND	10
Butyl Acetate	ND	10
1,2-Dibromoethane	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
Naphthalene	ND	5.0
Methylnaphthalene (total)	ND	5.0
Dimethylnaphthalene (total)	ND	5.0
Dichlorodifluoromethane	ND	5.0
1,1-Dichloropropene	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0
1,4-Dioxane	ND	1000

Client ID: BV026A
Site:

Lab Sample No: BV026A
Lab Job No: B620

Date Sampled: _____
Date Received: _____
Date Analyzed: 01/26/07
GC Column: Rtx-VMS
Instrument ID: VOAMS2.i
Lab File ID: b47516.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 8260B

<u>Parameter</u>	<u>Analytical Result</u> <u>Units: ug/l</u>	<u>Quantitation</u> <u>Limit</u> <u>Units: ug/l</u>
Methyl Acrylate	ND	5.0
1,1,1,2-Tetrachloroethane	ND	5.0
1,2,3-Trichlorobenzene	ND	5.0
1,2,3-Trichloropropane	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
1,2-Dibromo-3-chloropropane	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
1,3-Dichloropropane	ND	5.0
2,2-Dichloropropane	ND	5.0
2-Chlorotoluene	ND	5.0
4-Chlorotoluene	ND	5.0
Bromobenzene	ND	5.0
Bromochloromethane	ND	5.0
Dibromomethane	ND	5.0
Isopropylbenzene	ND	5.0
n-Butylbenzene	ND	5.0
n-Propylbenzene	ND	5.0
p-Isopropyltoluene	ND	5.0
sec-Butylbenzene	ND	5.0
tert-Butylbenzene	ND	5.0
Allyl chloride	ND	5.0
Benzyl chloride	ND	100
Epichlorohydrin	ND	5.0
Isoprene	ND	5.0
Methyl methacrylate	ND	5.0
n-Pentane	ND	5.0
Allyl alcohol	ND	1000
2-Octanol	ND	10
2-Octanone	ND	5.0
Ethyl Acrylate	ND	5.0
Butyl Acrylate	ND	5.0
Butyl Methacrylate	ND	5.0
Ethyl methacrylate	ND	5.0
Ethanol	ND	500

Client ID: BV026A
Site:

Lab Sample No: BV026A
Lab Job No: B620

Date Sampled: _____
Date Received: _____
Date Analyzed: 01/26/07
GC Column: Rtx-VMS
Instrument ID: VOAMS2.i
Lab File ID: b47516.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 8260B

<u>Parameter</u>	<u>Analytical Result</u> <u>Units: ug/l</u>	<u>Quantitation</u> <u>Limit</u> <u>Units: ug/l</u>
Methyl Acetate	ND	5.0
Methyl cyclohexane	ND	5.0
Cyclohexanone	ND	100
p-Ethyltoluene	ND	5.0
1,4-Diethylbenzene	ND	5.0
1,2,4,5-Tetramethylbenzene	ND	5.0
Propylene Oxide	ND	50
Camphene (total)	ND	20
Camphor	ND	20
Amyl Acetate	ND	10
2-Methylnaphthalene	ND	5.0
1-Chlorohexane	ND	5.0
Chlorotrifluoromethane	ND	5.0
Chlorodifluoromethane	ND	5.0
tert-Amylmethyl Ether	ND	5.0
Iodomethane	ND	5.0
trans-1,4-Dichloro-2-butene	ND	5.0
Acetaldehyde	ND	10
1,3,5-Trichlorobenzene	ND	5.0
1,2-Dichlorotrifluoroethane	ND	5.0
1-Bromo-2-chloroethane	ND	5.0
4-Chlorobenzotrifluoride	ND	5.0
2-Chloropropene	ND	5.0
tert-Butyl ethyl ether	ND	5.0
1,3-Butadiene	ND	5.0

Client ID: BV026A
Site:

Lab Sample No: BV026A
Lab Job No: B620

Date Sampled: _____
Date Received: _____
Date Analyzed: 01/26/07
GC Column: Rtx-VMS
Instrument ID: VOAMS2.i
Lab File ID: b47516.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

COMPOUND NAME	RT	EST. CONC. ug/l	Q
=====	=====	=====	=====
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
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23.			
24.			
25.			
26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION

0.0

Data File: /chem/VOAMS2.i/8260HIGH_SP/01-25-07/26jan07.b/b47516.d
 Report Date: 29-Jan-2007 22:47

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260HIGH_SP/01-25-07/26jan07.b/b47516.d
 Lab Smp Id: BV026a
 Inj Date : 26-JAN-2007 18:48
 Operator : VOAMS 3
 Smp Info : BV026a
 Misc Info :
 Comment :
 Method : /chem/VOAMS2.i/8260HIGH_SP/01-25-07/26jan07.b/8260H_06.m
 Meth Date : 26-Jan-2007 19:29 eddie
 Cal Date : 26-JAN-2007 00:10
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50

Inst ID: VOAMS2.i

Quant Type: ISTD
 Cal File: b47507.d

Compound Sublist: all.sub

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	SampleVolume

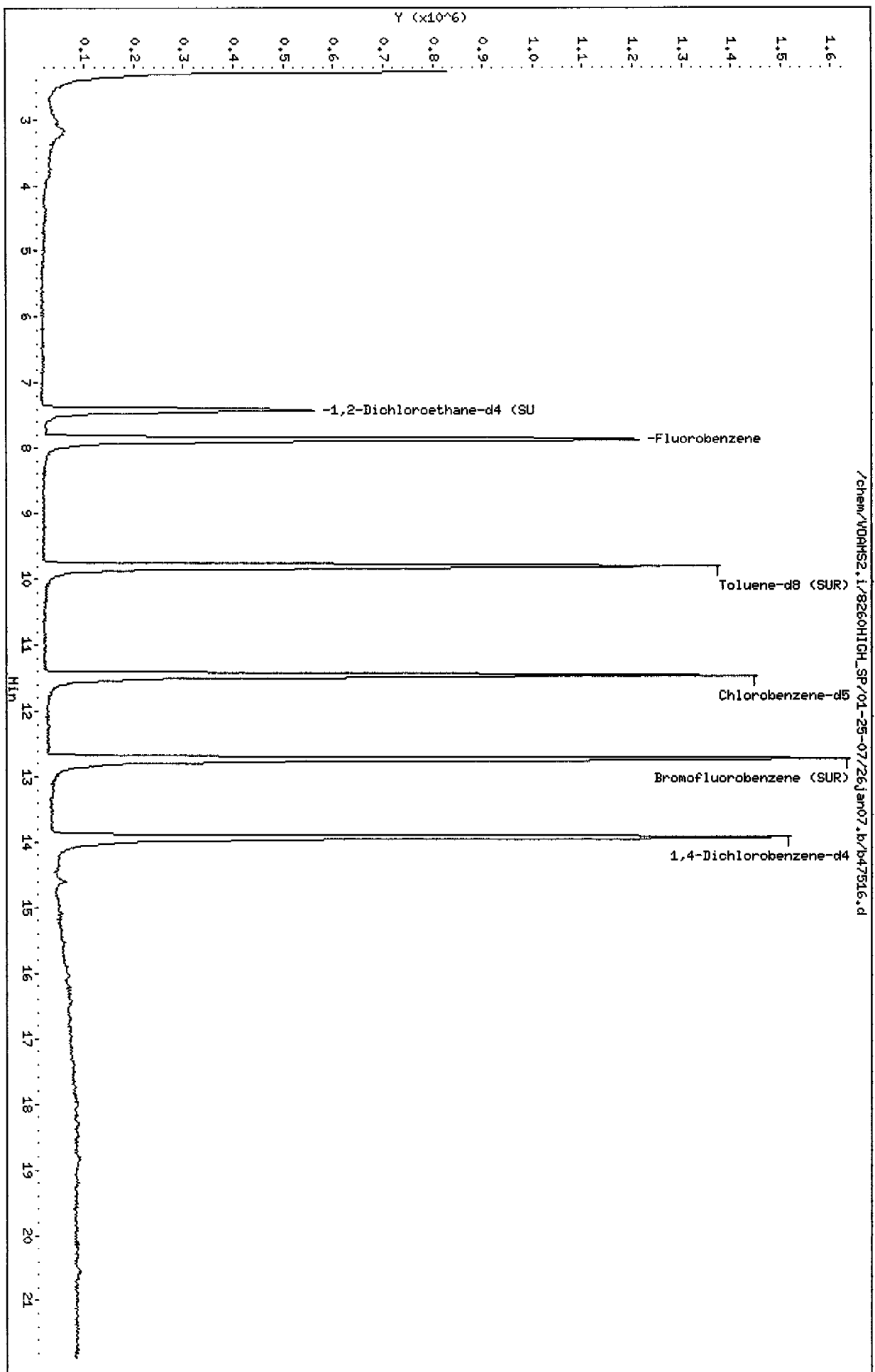
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ug/L)	(ug/L)
=====	=====	==	=====	=====	=====	=====	=====
\$ 16 1,2-Dichloroethane-d4 (SUR)	65	7.406	7.410	(0.941)	852445	48.2085	48
* 19 Fluorobenzene	96	7.866	7.855	(1.000)	2632446	50.0000	
\$ 37 Toluene-d8 (SUR)	98	9.784	9.787	(0.855)	2156580	47.0558	47
* 32 Chlorobenzene-d5	117	11.448	11.452	(1.000)	1960225	50.0000	
\$ 41 Bromofluorobenzene (SUR)	174	12.711	12.715	(0.913)	1126628	49.3726	49
* 91 1,4-Dichlorobenzene-d4	152	13.915	13.904	(1.000)	1043983	50.0000	

Data File: /chem/VOAMS2.i/8260HIGH_SP/01-25-07/26jan07.b/b47516.d
Date : 26-JAN-2007 18:48

Client ID:
Sample Info: BV026a
Purge Volume: 5.0
Column phase: Rtx-VHS

Instrument: VOAMS2.i
Operator: VOAMS 3
Column diameter: 0.18



Calibration Summary

VOLATILE ORGANICS INITIAL CALIBRATION DATA
METHOD 8260B

Instrument ID: VOAMS2

Calibration Date(s): 01/25/07 01/26/07

Heated Purge: (Y/N) N

Calibration Time(s): 1759 0010

LAB FILE ID:	RRF5: B47504 RRF50: B47499	RRF10: B47497 RRF100: B47507	RRF20: B47498		
COMPOUND	RRF5	RRF10	RRF20	RRF50	RRF100
=====	=====	=====	=====	=====	=====
Chloromethane	0.163	0.160	0.162	0.165	0.134
Bromomethane	0.222	0.189	0.188	0.186	0.193
Vinyl Chloride	0.231	0.201	0.216	0.211	0.204
Chloroethane	0.138	0.136	0.118	0.107	0.097
Methylene Chloride	0.367	0.285	0.314	0.287	0.299
Acetone	0.027	0.025	0.024	0.021	0.020
Carbon Disulfide	0.666	0.703	0.762	0.757	0.706
Trichlorofluoromethane	0.687	0.582	0.652	0.645	0.639
1,1-Dichloroethene	0.394	0.283	0.292	0.280	0.284
1,1-Dichloroethane	0.592	0.513	0.559	0.525	0.538
trans-1,2-Dichloroethene	0.394	0.333	0.362	0.337	0.349
cis-1,2-Dichloroethene	0.371	0.330	0.348	0.334	0.344
Chloroform	0.710	0.631	0.705	0.644	0.674
1,2-Dichloroethane	0.482	0.354	0.397	0.362	0.374
2-Butanone	0.023	0.022	0.028	0.024	0.024
1,1,1-Trichloroethane	0.586	0.542	0.581	0.556	0.578
Carbon Tetrachloride	0.640	0.512	0.565	0.540	0.570
Bromodichloromethane	0.891	0.575	0.667	0.626	0.672
1,2-Dichloropropane	0.534	0.320	0.362	0.327	0.326
cis-1,3-Dichloropropene	0.484	0.461	0.520	0.493	0.522
Trichloroethene	0.654	0.394	0.432	0.408	0.418
Dibromochloromethane	0.741	0.648	0.867	0.886	0.944
1,1,2-Trichloroethane	0.450	0.333	0.424	0.414	0.422
Benzene	1.190	0.725	0.796	0.749	0.765
trans-1,3-Dichloropropene	0.532	0.476	0.615	0.613	0.656
2-Chloroethyl Vinyl Ether	0.167	0.182	0.197	0.190	0.165
Bromoform	0.498	0.458	0.608	0.637	0.692
4-Methyl-2-Pentanone	0.184	0.247	0.249	0.245	0.228
2-Hexanone	0.122	0.167	0.209	0.204	0.182
Tetrachloroethene	1.068	0.583	0.707	0.703	0.715
1,1,2,2-Tetrachloroethane	2.048	1.121	1.217	1.191	1.217
Toluene	1.307	1.072	1.299	1.310	1.367
Chlorobenzene	1.055	0.855	1.032	1.013	1.079
Ethylbenzene	0.450	0.369	0.453	0.449	0.454
Styrene	0.804	0.715	0.883	0.898	0.985
Xylene (Total)	0.566	0.462	0.574	0.557	0.592
Ethyl Ether	0.172	0.176	0.195	0.179	0.166
Acrolein	0.004	0.005	0.006	0.005	0.006
Freon TF	0.679	0.660	0.725	0.701	0.653

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8260B

Instrument ID: VOAMS2

Calibration Date(s): 01/25/07 01/26/07

Heated Purge: (Y/N) N

Calibration Time(s): 1759 0010

LAB FILE ID:	RRF5: B47504 RRF50: B47499	RRF10: B47497 RRF100: B47507	RRF20: B47498		
COMPOUND	RRF5	RRF10	RRF20	RRF50	RRF100
=====	=====	=====	=====	=====	=====
Isopropanol					
Acetonitrile	0.014	0.014	0.016	0.014	0.013
TBA	0.017	0.023	0.020	0.019	0.018
Acrylonitrile	0.054	0.057	0.060	0.057	0.057
MTBE	0.639	0.644	0.713	0.680	0.635
Hexane					
DIPE	0.868	0.905	0.982	0.942	0.863
Ethyl Acetate	0.035	0.037	0.041	0.039	0.035
Vinyl Acetate	0.585	0.610	0.673	0.635	0.694
Tetrahydrofuran					
Cyclohexane	0.400	0.380	0.424	0.398	0.370
Isobutanol					
Isopropyl Acetate	0.444	0.537	0.575	0.554	0.500
n-Heptane					
n-Butanol					
Propyl Acetate	0.390	0.459	0.475	0.444	0.386
Butyl Acetate	0.554	0.638	0.712	0.718	0.645
1,2-Dibromoethane	0.749	0.622	0.799	0.781	0.830
1,3-Dichlorobenzene	1.580	1.284	1.465	1.376	1.323
1,4-Dichlorobenzene	2.068	1.689	1.811	1.801	1.994
1,2-Dichlorobenzene	1.591	1.360	1.493	1.420	1.477
Naphthalene	2.063	1.668	1.733	1.692	1.685
Methylnaphthalene (total)	0.962	0.975	0.908	0.997	0.990
Dimethylnaphthalene (total)	0.574	0.504	0.442	0.516	0.478
Dichlorodifluoromethane	0.383	0.322	0.364	0.353	0.343
1,1-Dichloropropene	0.471	0.432	0.474	0.446	0.459
1,2,4-Trichlorobenzene	1.252	1.051	1.132	1.072	1.100
Hexachlorobutadiene	0.865	0.702	0.754	0.711	0.751
1,4-Dioxane	0.002	0.003	0.003	0.003	0.003
Methyl Acrylate					
1,1,1,2-Tetrachloroethane	0.554	0.472	0.589	0.590	0.620
1,2,3-Trichlorobenzene	1.124	0.931	0.985	0.921	0.950
1,2,3-Trichloropropane	0.331	0.306	0.328	0.316	0.327
1,2,4-Trimethylbenzene	2.301	1.932	2.096	2.033	2.144
1,2-Dibromo-3-chloropropane	0.255	0.231	0.260	0.247	0.254
1,3,5-Trimethylbenzene	2.338	1.958	2.139	2.055	2.192
1,3-Dichloropropane	0.700	0.578	0.706	0.691	0.710
2,2-Dichloropropane	0.466	0.442	0.484	0.432	0.485
2-Chlorotoluene	1.673	1.423	1.555	1.509	1.558

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8260B

Instrument ID: VOAMS2

Calibration Date(s): 01/25/07 01/26/07

Heated Purge: (Y/N) N

Calibration Time(s): 1759 0010

LAB FILE ID:	RRF5: B47504 RRF50: B47499	RRF10: B47497 RRF100: B47507	RRF20: B47498		
COMPOUND	RRF5	RRF10	RRF20	RRF50	RRF100
=====	=====	=====	=====	=====	=====
4-Chlorotoluene	2.777	2.364	2.560	2.445	2.562
Bromobenzene	1.078	0.923	1.010	0.953	0.995
Bromochloromethane	0.244	0.238	0.257	0.244	0.250
Dibromomethane	0.387	0.354	0.389	0.364	0.376
Isopropylbenzene	1.588	1.318	1.611	1.600	1.722
n-Butylbenzene	2.669	2.288	2.524	2.415	2.510
n-Propylbenzene	3.381	2.907	3.156	3.104	3.195
p-Isopropyltoluene	2.668	2.237	2.462	2.369	2.522
sec-Butylbenzene	3.450	2.762	3.035	3.036	3.144
tert-Butylbenzene	2.434	2.071	2.278	2.178	2.338
Allyl chloride					
Benzyl chloride	1.125	1.410	1.421	1.319	1.393
Epichlorohydrin	0.026	0.032	0.033	0.031	0.029
Isoprene	0.244	0.251	0.276	0.263	0.255
Methyl methacrylate	0.087	0.087	0.089	0.079	0.084
n-Pentane	0.046	0.040	0.043	0.046	0.042
Allyl alcohol					
2-Octanol					
2-Octanone					
Ethyl Acrylate					
Butyl Acrylate					
Butyl Methacrylate					
Ethyl methacrylate					
Ethanol					
Methyl Acetate	0.287	0.264	0.303	0.282	0.226
Methyl cyclohexane	0.416	0.400	0.443	0.424	0.406
Cyclohexanone					
p-Ethyltoluene					
1,4-Diethylbenzene					
1,2,4,5-Tetramethylbenzene					
Propylene Oxide					
Camphene (total)					
Camphor					
Amyl Acetate					
2-Methylnaphthalene					
1-Chlorohexane					
Chlorotrifluoromethane					
Chlorodifluoromethane					
tert-Amylmethyl Ether					

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8260B

Instrument ID: VOAMS2

Calibration Date(s): 01/25/07 01/26/07

Heated Purge: (Y/N) N

Calibration Time(s): 1759 0010

LAB FILE ID:		RRF5: B47504 RRF50: B47499	RRF10: B47497 RRF100: B47507	RRF20: B47498	
COMPOUND	RRF5	RRF10	RRF20	RRF50	RRF100
Iodomethane					
trans-1,4-Dichloro-2-butene					
Acetaldehyde					
1,3,5-Trichlorobenzene					
1,2-Dichlorotrifluoroethane					
1-Bromo-2-chloroethane					
4-Chlorobenzotrifluoride					
2-Chloropropene					
tert-Butyl ethyl ether					
1,3-Butadiene					
1,2-Dichloroethane-d4 (SUR)	0.330	0.344	0.333	0.328	0.332
Toluene-d8 (SUR)	1.110	1.063	1.142	1.213	1.272
Bromofluorobenzene (SUR)	1.180	1.072	1.034	1.041	1.089

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8260B

Instrument ID: VOAMS2

Calibration Date(s): 01/25/07 01/26/07

Heated Purge: (Y/N) N

Calibration Time(s): 1759 0010

RRF200: B47501

COMPOUND	RRF200
=====	=====
Chloromethane	0.154
Bromomethane	0.188
Vinyl Chloride	0.209
Chloroethane	0.095
Methylene Chloride	0.301
Acetone	0.016
Carbon Disulfide	0.727
Trichlorofluoromethane	0.637
1,1-Dichloroethene	0.273
1,1-Dichloroethane	0.527
trans-1,2-Dichloroethene	0.342
cis-1,2-Dichloroethene	0.335
Chloroform	0.672
1,2-Dichloroethane	0.387
2-Butanone	0.024
1,1,1-Trichloroethane	0.573
Carbon Tetrachloride	0.538
Bromodichloromethane	0.693
1,2-Dichloropropane	0.332
cis-1,3-Dichloropropene	0.531
Trichloroethene	0.412
Dibromochloromethane	0.917
1,1,2-Trichloroethane	0.406
Benzene	0.758
trans-1,3-Dichloropropene	0.642
2-Chloroethyl Vinyl Ether	0.184
Bromoform	0.654
4-Methyl-2-Pentanone	0.228
2-Hexanone	0.177
Tetrachloroethene	0.584
1,1,2,2-Tetrachloroethane	1.216
Toluene	1.248
Chlorobenzene	0.962
Ethylbenzene	0.376
Styrene	0.838
Xylene (Total)	0.480
Ethyl Ether	0.168
Acrolein	0.006
Freon TF	0.622

* Compound with required maximum % RSD value.

** Compound with required minimum RRF value.

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8260B

Instrument ID: VOAMS2

Calibration Date(s): 01/25/07 01/26/07

Heated Purge: (Y/N) N

Calibration Time(s): 1759 0010

RRF200: B47501

COMPOUND	RRF200
Isopropanol	
Acetonitrile	0.014
TBA	0.018
Acrylonitrile	0.058
MTBE	0.664
Hexane	
DIPE	0.909
Ethyl Acetate	0.035
Vinyl Acetate	0.734
Tetrahydrofuran	
Cyclohexane	0.343
Isobutanol	
Isopropyl Acetate	0.500
n-Heptane	
n-Butanol	
Propyl Acetate	0.367
Butyl Acetate	0.608
1,2-Dibromoethane	0.796
1,3-Dichlorobenzene	1.241
1,4-Dichlorobenzene	1.556
1,2-Dichlorobenzene	1.265
Naphthalene	1.487
Methylnaphthalene (total)	1.166
Dimethylnaphthalene (total)	0.552
Dichlorodifluoromethane	0.350
1,1-Dichloropropene	0.435
1,2,4-Trichlorobenzene	0.911
Hexachlorobutadiene	0.600
1,4-Dioxane	0.003
Methyl Acrylate	
1,1,1,2-Tetrachloroethane	0.558
1,2,3-Trichlorobenzene	0.795
1,2,3-Trichloropropane	0.314
1,2,4-Trimethylbenzene	1.774
1,2-Dibromo-3-chloropropane	0.241
1,3,5-Trimethylbenzene	1.807
1,3-Dichloropropane	0.670
2,2-Dichloropropane	0.453
2-Chlorotoluene	1.450

* Compound with required maximum % RSD value.

** Compound with required minimum RRF value.

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8260B

Instrument ID: VOAMS2

Calibration Date(s): 01/25/07 01/26/07

Heated Purge: (Y/N) N

Calibration Time(s): 1759 0010

RRF200: B47501

COMPOUND	RRF200
=====	=====
4-Chlorotoluene	2.263
Bromobenzene	0.922
Bromochloromethane	0.257
Dibromomethane	0.378
Isopropylbenzene	1.358
n-Butylbenzene	2.010
n-Propylbenzene	2.804
p-Isopropyltoluene	2.012
sec-Butylbenzene	2.669
tert-Butylbenzene	1.918
Allyl chloride	
Benzyl chloride	1.379
Epichlorohydrin	0.029
Isoprene	0.248
Methyl methacrylate	0.063
n-Pentane	0.036
Allyl alcohol	
2-Octanol	
2-Octanone	
Ethyl Acrylate	
Butyl Acrylate	
Butyl Methacrylate	
Ethyl methacrylate	
Ethanol	
Methyl Acetate	0.229
Methyl cyclohexane	0.318
Cyclohexanone	
p-Ethyltoluene	
1,4-Diethylbenzene	
1,2,4,5-Tetramethylbenzene	
Propylene Oxide	
Camphene (total)	
Camphor	
Amyl Acetate	
2-Methylnaphthalene	
1-Chlorohexane	
Chlorotrifluoromethane	
Chlorodifluoromethane	
tert-Amylmethyl Ether	

* Compound with required maximum % RSD value.

** Compound with required minimum RRF value.

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8260B

Instrument ID: VOAMS2

Calibration Date(s): 01/25/07 01/26/07

Heated Purge: (Y/N) N

Calibration Time(s): 1759 0010

RRF200: B47501

COMPOUND	RRF200
=====	=====
Iodomethane	
trans-1,4-Dichloro-2-butene	
Acetaldehyde	
1,3,5-Trichlorobenzene	
1,2-Dichlorotrifluoroethane	
1-Bromo-2-chloroethane	
4-Chlorobenzotrifluoride	
2-Chloropropene	
tert-Butyl ethyl ether	
1,3-Butadiene	
=====	=====
1,2-Dichloroethane-d4 (SUR)	0.348
Toluene-d8 (SUR)	1.213
Bromofluorobenzene (SUR)	1.141

* Compound with required maximum % RSD value.

** Compound with required minimum RRF value.

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8260B

Instrument ID: VOAMS2

Calibration Date(s): 01/25/07 01/26/07

Heated Purge: (Y/N) N

Calibration Time(s): 1759 0010

COMPOUND	CURVE	COEFFICIENTS			%RSD OR R^2
		A0	A1	A2	
Chloromethane	AVRG		0.15620181		7.4**
Bromomethane	AVRG		0.19445822		6.9*
Vinyl Chloride	AVRG		0.21202658		5.1*
Chloroethane	LINR	-0.0929413	10.7181071		1.000*
Methylene Chloride	AVRG		0.30889481		9.8*
Acetone	2ORDR	0.00000000	36.5648511	358.100608	0.998*
Carbon Disulfide	AVRG		0.72002777		5.0*
Trichlorofluoromethane	AVRG		0.64035120		5.3*
1,1-Dichloroethene	LINR	-0.0255642	3.65963989		1.000*
1,1-Dichloroethane	AVRG		0.54239208		5.3**
trans-1,2-Dichloroethene	AVRG		0.35276234		6.4*
cis-1,2-Dichloroethene	AVRG		0.34389529		4.4*
Chloroform	AVRG		0.67268427		4.7*
1,2-Dichloroethane	AVRG		0.39258287		11.8*
2-Butanone	AVRG		0.02435335		7.9*
1,1,1-Trichloroethane	AVRG		0.56926023		3.0*
Carbon Tetrachloride	AVRG		0.56099231		7.8*
Bromodichloromethane	LINR	0.03717640	1.43809836		0.999*
1,2-Dichloropropane	LINR	-0.0046340	3.02625736		1.000*
cis-1,3-Dichloropropene	AVRG		0.50161110		5.4*
Trichloroethene	LINR	-0.0068438	2.42792872		1.000*
Dibromochloromethane	AVRG		0.83398945		13.8*
1,1,2-Trichloroethane	AVRG		0.40798609		9.8*
Benzene	LINR	-0.0054184	1.32010322		1.000*
trans-1,3-Dichloropropene	AVRG		0.58885566		11.9*
2-Chloroethyl Vinyl Ether	AVRG		0.18091082		6.9*
Bromoform	LINR	0.02638400	1.50102083		0.999**
4-Methyl-2-Pentanone	AVRG		0.23021966		10.7*
2-Hexanone	LINR	-0.0403856	5.65855285		0.998*
Tetrachloroethene	2ORDR	0.00000000	1.13271928	0.24178413	0.998*
1,1,2,2-Tetrachloroethane	LINR	0.00000000	0.82307953		1.000**
Toluene	AVRG		1.26737554		8.1*
Chlorobenzene	AVRG		0.99937907		8.1**
Ethylbenzene	AVRG		0.42513389		9.6*
Styrene	AVRG		0.85386916		10.7*
Xylene (Total)	AVRG		0.53864317		10.0*
Ethyl Ether	AVRG		0.17599098		6.0*
Acrolein	LINR	0.80937280	155.654		0.991*
Freon TF	AVRG		0.67342685		5.4*

* Compound with required maximum % RSD value.

** Compound with required minimum RRF value.

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8260B

Instrument ID: VOAMS2

Calibration Date(s): 01/25/07 01/26/07

Heated Purge: (Y/N) N

Calibration Time(s): 1759 0010

COMPOUND	CURVE	COEFFICIENTS			%RSD OR R^2
		A0	A1	A2	
Isopropanol	AVRG				
Acetonitrile	AVRG		0.01439155		7.2*
TBA	AVRG		0.01912755		11.8*
Acrylonitrile	AVRG		0.05734486		3.6*
MTBE	AVRG		0.66257320		4.6*
Hexane	AVRG				
DIPE	AVRG		0.91167977		5.0*
Ethyl Acetate	AVRG		0.03717864		6.6*
Vinyl Acetate	AVRG		0.65535239		8.5*
Tetrahydrofuran	AVRG				
Cyclohexane	AVRG		0.38609267		7.2*
Isobutanol	AVRG				
Isopropyl Acetate	AVRG		0.51825801		9.1*
n-Heptane	AVRG				
n-Butanol	AVRG				
Propyl Acetate	AVRG		0.42053176		10.6*
Butyl Acetate	AVRG		0.64564042		9.7*
1,2-Dibromoethane	AVRG		0.76281736		9.7*
1,3-Dichlorobenzene	AVRG		1.37823373		9.1*
1,4-Dichlorobenzene	AVRG		1.81968584		10.4*
1,2-Dichlorobenzene	AVRG		1.43427620		7.9*
Naphthalene	AVRG		1.72155062		10.9*
Methylnaphthalene (total)	AVRG		0.99976733		8.7*
Dimethylnaphthalene (total)	AVRG		0.51087285		9.4*
Dichlorodifluoromethane	AVRG		0.35246728		5.8*
1,1-Dichloropropene	AVRG		0.45282953		3.9*
1,2,4-Trichlorobenzene	AVRG		1.08621893		10.2*
Hexachlorobutadiene	AVRG		0.73029948		11.8*
1,4-Dioxane	AVRG		0.00267992		6.0*
Methyl Acrylate	AVRG				
1,1,1,2-Tetrachloroethane	AVRG		0.56389921		9.0*
1,2,3-Trichlorobenzene	AVRG		0.95105225		11.2*
1,2,3-Trichloropropane	AVRG		0.32048139		3.0*
1,2,4-Trimethylbenzene	AVRG		2.04660162		8.8*
1,2-Dibromo-3-chloropropane	AVRG		0.24824556		4.3*
1,3,5-Trimethylbenzene	AVRG		2.08149755		8.9*
1,3-Dichloropropane	AVRG		0.67602834		7.4*
2,2-Dichloropropane	AVRG		0.46037801		4.8*
2-Chlorotoluene	AVRG		1.52811272		5.9*

* Compound with required maximum % RSD value.

** Compound with required minimum RRF value.

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8260B

Instrument ID: VOAMS2

Calibration Date(s): 01/25/07 01/26/07

Heated Purge: (Y/N) N

Calibration Time(s): 1759 0010

COMPOUND	CURVE	COEFFICIENTS			%RSD OR R^2
		A0	A1	A2	
4-Chlorotoluene	AVRG		2.49493689		7.2*
Bromobenzene	AVRG		0.98019298		6.1*
Bromochloromethane	AVRG		0.24852862		3.1*
Dibromomethane	AVRG		0.37472832		3.6*
Isopropylbenzene	AVRG		1.53303008		10.4*
n-Butylbenzene	AVRG		2.40274677		9.6*
n-Propylbenzene	AVRG		3.09124802		6.7*
p-Isopropyltoluene	AVRG		2.37844122		9.7*
sec-Butylbenzene	AVRG		3.01584225		9.3*
tert-Butylbenzene	AVRG		2.20289374		8.5*
Allyl chloride	AVRG				
Benzyl chloride	AVRG		1.34138551		8.3*
Epichlorohydrin	AVRG		0.03008018		8.1*
Isoprene	AVRG		0.25615546		4.6*
Methyl methacrylate	AVRG		0.08143089		11.9*
n-Pentane	AVRG		0.04237705		8.8*
Allyl alcohol	AVRG				
2-Octanol	AVRG				
2-Octanone	AVRG				
Ethyl Acrylate	AVRG				
Butyl Acrylate	AVRG				
Butyl Methacrylate	AVRG				
Ethyl methacrylate	AVRG				
Ethanol	AVRG				
Methyl Acetate	AVRG		0.26524458		11.9*
Methyl cyclohexane	AVRG		0.40110410		10.9*
Cyclohexanone	AVRG				
p-Ethyltoluene	AVRG				
1,4-Diethylbenzene	AVRG				
1,2,4,5-Tetramethylbenzene	AVRG				
Propylene Oxide	AVRG				
Camphene (total)	AVRG				
Camphor	AVRG				
Amyl Acetate	AVRG				
2-Methylnaphthalene	AVRG				
1-Chlorohexane	AVRG				
Chlorotrifluoromethane	AVRG				
Chlorodifluoromethane	AVRG				
tert-Amylmethyl Ether	AVRG				

* Compound with required maximum % RSD value.

** Compound with required minimum RRF value.

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8260B

Instrument ID: VOAMS2

Calibration Date(s): 01/25/07 01/26/07

Heated Purge: (Y/N) N

Calibration Time(s): 1759 0010

COMPOUND	CURVE	COEFFICIENTS			%RSD OR R^2
		A0	A1	A2	
=====	=====	=====	=====	=====	=====
Iodomethane	AVRG				
trans-1,4-Dichloro-2-butene	AVRG				
Acetaldehyde	AVRG				
1,3,5-Trichlorobenzene	AVRG				
1,2-Dichlorotrifluoroethane	AVRG				
1-Bromo-2-chloroethane	AVRG				
4-Chlorobenzotrifluoride	AVRG				
2-Chloropropene	AVRG				
tert-Butyl ethyl ether	AVRG				
1,3-Butadiene	AVRG				
=====	=====	=====	=====	=====	=====
1,2-Dichloroethane-d4 (SUR)	AVRG		0.33585646		2.5*
Toluene-d8 (SUR)	AVRG		1.16900591		6.6*
Bromofluorobenzene (SUR)	AVRG		1.09287571		5.3*

* Compound with required maximum % RSD value.

** Compound with required minimum RRF value.

FORM 7B
VOLATILE CONTINUING CALIBRATION CHECK

Instrument ID: VOAMS2

Calibration Date: 01/26/07 Time: 1717

Lab File ID: B47513

Init. Calib. Date(s): 01/25/07 01/26/07

Init. Calib. Times: 1759

0010

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Chloromethane	0.1560000	0.1458070	0.1458070	0.1	6.53	50.00	AVRG
Bromomethane	0.1940000	0.1911679	0.1911679		1.46	50.00	AVRG
Vinyl Chloride	0.2120000	0.2062792	0.2062792		2.70	20.00	AVRG
Chloroethane	50.027831	50.000000	0.1020234		-0.06	50.00	LINR
Methylene Chloride	0.3090000	0.3058349	0.3058349		1.02	50.00	AVRG
Acetone	42.871191	50.000000	0.0196629		14.26	50.00	2RDR
Carbon Disulfide	0.7200000	0.7568414	0.7568414		-5.12	50.00	AVRG
Trichlorofluoromethane	0.6400000	0.6413580	0.6413580		-0.21	50.00	AVRG
1,1-Dichloroethene	51.892225	50.000000	0.2905774		-3.78	20.00	LINR
1,1-Dichloroethane	0.5420000	0.5337573	0.5337573	0.1	1.52	50.00	AVRG
trans-1,2-Dichloroethene	0.3530000	0.3562701	0.3562701		-0.93	50.00	AVRG
cis-1,2-Dichloroethene	0.3440000	0.3460099	0.3460099		-0.58	50.00	AVRG
Chloroform	0.6730000	0.6674815	0.6674815		0.82	20.00	AVRG
1,2-Dichloroethane	0.3930000	0.3842181	0.3842181		2.23	50.00	AVRG
2-Butanone	0.0240000	0.0279635	0.0279635		-16.51	50.00	AVRG
1,1,1-Trichloroethane	0.5690000	0.6020649	0.6020649		-5.81	50.00	AVRG
Carbon Tetrachloride	0.5610000	0.5777579	0.5777579		-2.99	50.00	AVRG
Bromodichloromethane	49.827826	50.000000	0.6671172		0.34	50.00	LINR
1,2-Dichloropropane	51.072661	50.000000	0.3390615		-2.14	20.00	LINR
cis-1,3-Dichloropropene	0.5020000	0.5173971	0.5173971		-3.07	50.00	AVRG
Trichloroethene	51.731972	50.000000	0.4289596		-3.46	50.00	LINR
Dibromochloromethane	0.8340000	0.8916165	0.8916165		-6.91	50.00	AVRG
1,1,2-Trichloroethane	0.4080000	0.4072293	0.4072293		0.19	50.00	AVRG
Benzene	51.899547	50.000000	0.7903998		-3.80	50.00	LINR
trans-1,3-Dichloropropene	0.5890000	0.6314957	0.6314957		-7.21	50.00	AVRG
2-Chloroethyl Vinyl Ether	0.1810000	0.2056155	0.2056155		-13.60	50.00	AVRG
Bromoform	50.681367	50.000000	0.6577146	0.1	-1.36	50.00	LINR
4-Methyl-2-Pentanone	0.2300000	0.2458772	0.2458772		-6.90	50.00	AVRG
2-Hexanone	53.017183	50.000000	0.1945249		-6.03	50.00	LINR
Tetrachloroethene	46.712686	50.000000	0.7155095		6.57	50.00	2RDR
1,1,2,2-Tetrachloroethane	50.510813	50.000000	1.2273617	0.3	-1.02	50.00	LINR
Toluene	1.2670000	1.3239447	1.3239447		-4.49	20.00	AVRG
Chlorobenzene	0.9990000	1.0430878	1.0430878	0.3	-4.41	50.00	AVRG
Ethylbenzene	0.4250000	0.4634242	0.4634242		-9.04	20.00	AVRG
Styrene	0.8540000	0.9340824	0.9340824		-9.38	50.00	AVRG
Xylene (Total)	0.5380000	0.5742025	0.5742025		-6.73	50.00	AVRG
Ethyl Ether	0.1760000	0.1781756	0.1781756		-1.24	50.00	AVRG
Acrolein	331.64687	400.00000	0.0046767		17.09	99.00	LINR
Freon TF	0.6730000	0.7262217	0.7262217		-7.91	50.00	AVRG
Isopropanol	0.0000000				0.00	50.00	AVRG
Acetonitrile	0.0140000	0.0146881	0.0146881		-4.92	50.00	AVRG
TBA	0.0190000	0.0199991	0.0199991		-5.26	50.00	AVRG

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FORM 7B
VOLATILE CONTINUING CALIBRATION CHECK

Instrument ID: VOAMS2

Calibration Date: 01/26/07 Time: 1717

Lab File ID: B47513

Init. Calib. Date(s): 01/25/07 01/26/07

Init. Calib. Times: 1759 0010

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Acrylonitrile	0.0570000	0.0571010	0.0571010		-0.18	50.00	AVRG
MTBE	0.6620000	0.7010223	0.7010223		-5.89	50.00	AVRG
Hexane	0.0000000				0.00	50.00	AVRG
DIPE	0.9120000	0.9341331	0.9341331		-2.43	50.00	AVRG
Ethyl Acetate	0.0370000	0.0386877	0.0386877		-4.56	50.00	AVRG
Vinyl Acetate	0.6550000	0.6121378	0.6121378		6.54	50.00	AVRG
Tetrahydrofuran	0.0000000				0.00	50.00	AVRG
Cyclohexane	0.3860000	0.4005345	0.4005345		-3.76	50.00	AVRG
Isobutanol	0.0000000				0.00	50.00	AVRG
Isopropyl Acetate	0.5180000	0.5478236	0.5478236		-5.76	50.00	AVRG
n-Heptane	0.0000000				0.00	50.00	AVRG
n-Butanol	0.0000000				0.00	50.00	AVRG
Propyl Acetate	0.4200000	0.4280669	0.4280669		-1.92	50.00	AVRG
Butyl Acetate	0.6460000	0.6706508	0.6706508		-3.82	50.00	AVRG
1,2-Dibromoethane	0.7630000	0.7890866	0.7890866		-3.42	50.00	AVRG
1,3-Dichlorobenzene	1.3780000	1.3318468	1.3318468		3.35	50.00	AVRG
1,4-Dichlorobenzene	1.8200000	2.0026860	2.0026860		-10.04	50.00	AVRG
1,2-Dichlorobenzene	1.4340000	1.4784652	1.4784652		-3.10	50.00	AVRG
Naphthalene	1.7210000	1.8493342	1.8493342		-7.46	50.00	AVRG
Methylnaphthalene (total)	1.0000000	1.0765457	1.0765457		-7.65	50.00	AVRG
Dimethylnaphthalene (total)	0.5110000	0.5927189	0.5927189		-15.99	50.00	AVRG
Dichlorodifluoromethane	0.3520000	0.3568009	0.3568009		-1.36	50.00	AVRG
1,1-Dichloropropene	0.4530000	0.4724666	0.4724666		-4.30	50.00	AVRG
1,2,4-Trichlorobenzene	1.0860000	1.1758569	1.1758569		-8.27	50.00	AVRG
Hexachlorobutadiene	0.7300000	0.7958321	0.7958321		-9.02	50.00	AVRG
1,4-Dioxane	0.0030000	0.0028339	0.0028339		5.54	50.00	AVRG
Methyl Acrylate	0.0000000				0.00	50.00	AVRG
1,1,1,2-Tetrachloroethane	0.5640000	0.6025973	0.6025973		-6.84	50.00	AVRG
1,2,3-Trichlorobenzene	0.9510000	1.0535005	1.0535005		-10.78	50.00	AVRG
1,2,3-Trichloropropane	0.3200000	0.3254146	0.3254146		-1.69	50.00	AVRG
1,2,4-Trimethylbenzene	2.0470000	2.1211756	2.1211756		-3.62	50.00	AVRG
1,2-Dibromo-3-chloropropane	0.2480000	0.2580742	0.2580742		-4.06	50.00	AVRG
1,3,5-Trimethylbenzene	2.0820000	2.1572162	2.1572162		-3.61	50.00	AVRG
1,3-Dichloropropane	0.6760000	0.6900898	0.6900898		-2.08	50.00	AVRG
2,2-Dichloropropane	0.4600000	0.4989051	0.4989051		-8.46	50.00	AVRG
2-Chlorotoluene	1.5280000	1.5101197	1.5101197		1.17	50.00	AVRG
4-Chlorotoluene	2.4950000	2.5403840	2.5403840		-1.82	50.00	AVRG
Bromobenzene	0.9800000	0.9942924	0.9942924		-1.46	50.00	AVRG
Bromochloromethane	0.2480000	0.2540863	0.2540863		-2.45	50.00	AVRG
Dibromomethane	0.3750000	0.3800737	0.3800737		-1.35	50.00	AVRG
Isopropylbenzene	1.5330000	1.6423251	1.6423251		-7.13	50.00	AVRG
n-Butylbenzene	2.4030000	2.4925056	2.4925056		-3.72	50.00	AVRG

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FORM 7B
VOLATILE CONTINUING CALIBRATION CHECK

Instrument ID: VOAMS2

Calibration Date: 01/26/07 Time: 1717

Lab File ID: B47513

Init. Calib. Date(s): 01/25/07 01/26/07

Init. Calib. Times: 1759 0010

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
=====	=====	=====	=====	=====	=====	=====	=====
n-Propylbenzene	3.0910000	3.1801999	3.1801999		-2.88	50.00	AVRG
p-Isopropyltoluene	2.3780000	2.4839267	2.4839267		-4.45	50.00	AVRG
sec-Butylbenzene	3.0160000	2.9028954	2.9028954		3.75	50.00	AVRG
tert-Butylbenzene	2.2030000	2.3246228	2.3246228		-5.52	50.00	AVRG
Allyl chloride	0.0000000				0.00	50.00	AVRG
Benzyl chloride	1.3410000	1.5040054	1.5040054		-12.16	50.00	AVRG
Epichlorohydrin	0.0300000	0.0313316	0.0313316		-4.44	50.00	AVRG
Isoprene	0.2560000	0.2769020	0.2769020		-8.16	50.00	AVRG
Methyl methacrylate	0.0820000	0.0891300	0.0891300		-8.70	50.00	AVRG
n-Pentane	0.0420000	0.0428449	0.0428449		-2.01	50.00	AVRG
Allyl alcohol	0.0000000				0.00	50.00	AVRG
2-Octanol	0.0000000				0.00	50.00	AVRG
2-Octanone	0.0000000				0.00	50.00	AVRG
Ethyl Acrylate	0.0000000				0.00	50.00	AVRG
Butyl Acrylate	0.0000000				0.00	50.00	AVRG
Butyl Methacrylate	0.0000000				0.00	50.00	AVRG
Ethyl methacrylate	0.0000000				0.00	50.00	AVRG
Ethanol	0.0000000				0.00	50.00	AVRG
Methyl Acetate	0.2650000	0.2869378	0.2869378		-8.28	50.00	AVRG
Methyl cyclohexane	0.4010000	0.4446367	0.4446367		-10.88	50.00	AVRG
Cyclohexanone	0.0000000				0.00	50.00	AVRG
p-Ethyltoluene	0.0000000				0.00	50.00	AVRG
1,4-Diethylbenzene	0.0000000				0.00	50.00	AVRG
1,2,4,5-Tetramethylbenzene	0.0000000				0.00	50.00	AVRG
Propylene Oxide	0.0000000				0.00	50.00	AVRG
Camphene (total)	0.0000000				0.00	50.00	AVRG
Camphor	0.0000000				0.00	50.00	AVRG
Amyl Acetate	0.0000000				0.00	50.00	AVRG
2-Methylnaphthalene	0.0000000				0.00	50.00	AVRG
1-Chlorohexane	0.0000000				0.00	50.00	AVRG
Chlorotrifluoromethane	0.0000000				0.00	50.00	AVRG
Chlorodifluoromethane	0.0000000				0.00	50.00	AVRG
tert-Amylmethyl Ether	0.0000000				0.00	50.00	AVRG
Iodomethane	0.0000000				0.00	50.00	AVRG
trans-1,4-Dichloro-2-butene	0.0000000				0.00	50.00	AVRG
Acetaldehyde	0.0000000				0.00	50.00	AVRG
1,3,5-Trichlorobenzene	0.0000000				0.00	50.00	AVRG
1,2-Dichlorotrifluoroethane	0.0000000				0.00	50.00	AVRG
1-Bromo-2-chloroethane	0.0000000				0.00	50.00	AVRG
4-Chlorobenzotrifluoride	0.0000000				0.00	50.00	AVRG
2-Chloropropene	0.0000000				0.00	50.00	AVRG
tert-Butyl ethyl ether	0.0000000			0.01	0.00	50.00	AVRG

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FORM 7B
VOLATILE CONTINUING CALIBRATION CHECK

Instrument ID: VOAMS2 Calibration Date: 01/26/07 Time: 1717
Lab File ID: B47513 Init. Calib. Date(s): 01/25/07 01/26/07
Init. Calib. Times: 1759 0010

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
=====	=====	=====	=====	=====	=====	=====	=====
1,3-Butadiene	0.0000000			0.01	0.00	50.00	AVRG
=====	=====	=====	=====	=====	=====	=====	=====
1,2-Dichloroethane-d4 (SUR)	0.3360000	0.3327967	0.3327967		0.95	50.00	AVRG
Toluene-d8 (SUR)	1.1690000	1.1939520	1.1939520		-2.13	50.00	AVRG
Bromofluorobenzene (SUR)	1.0930000	1.0816117	1.0816117		1.04	50.00	AVRG

Surrogate Compound Recovery Summary

VOLATILE SYSTEM MONITORING COMPOUND RECOVERY
METHOD 8260B

Matrix: WATER

Level: LOW

Lab Job No: B620

	LAB SAMPLE NO.	S1 #	S2 #	S3 #	OTHER	TOT OUT
	=====	=====	=====	=====	=====	=====
01	BV026A	96	94	99		0
02	798091	95	99	97		0
03						
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

QC LIMITS

S1 = 1,2-Dichloroethane-d4 (65-144)
 S2 = Toluene-d8 (63-141)
 S3 = Bromofluorobenzene (60-146)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

Spike Recovery Summary

VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY
METHOD 8260B

Matrix: WATER

Matrix Spike - Lab Sample No.: 803149

Level: LOW

MS Sample from Lab Job No: C339

QA Batch: 4743

Compound	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
Vinyl Chloride	50	0.00	59	118	57-144
1,1-Dichloroethene	50	0.00	51	102	70-135
Methylene Chloride	50	0.00	53	106	76-132
MTBE	50	0.00	58	116	70-130
1,1-Dichloroethane	50	0.00	52	104	65-139
Bromochloromethane	50	0.00	54	108	70-130
Chloroform	50	11	65	108	73-131
Benzene	50	0.00	55	110	76-131
Trichloroethene	50	0.00	54	108	70-134
1,2-Dichloropropane	50	0.00	58	116	73-130
Toluene	50	0.00	58	116	70-131
Tetrachloroethene	50	0.00	48	96	60-145
Chlorobenzene	50	0.00	57	114	78-130
Ethylbenzene	50	0.00	57	114	75-134
Isopropylbenzene	50	0.00	58	116	70-130
1,3-Dichlorobenzene	50	0.00	52	104	78-128

Compound	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	REC.
Vinyl Chloride	50	57	114	3	40	57-144
1,1-Dichloroethene	50	49	98	4	40	70-135
Methylene Chloride	50	53	106	0	40	76-132
MTBE	50	60	120	3	40	70-130
1,1-Dichloroethane	50	50	100	4	40	65-139
Bromochloromethane	50	54	108	0	40	70-130
Chloroform	50	64	106	2	40	73-131
Benzene	50	54	108	2	40	76-131
Trichloroethene	50	54	108	0	40	70-134
1,2-Dichloropropane	50	58	116	0	40	73-130
Toluene	50	57	114	2	40	70-131
Tetrachloroethene	50	48	96	0	40	60-145
Chlorobenzene	50	58	116	2	40	78-130
Ethylbenzene	50	59	118	3	40	75-134
Isopropylbenzene	50	58	116	0	40	70-130
1,3-Dichlorobenzene	50	52	104	0	40	78-128

Column to be used to flag recovery and RPD values with an asterik

* Values outside of QC limits

RPD: 0 out of 16 outside limits

Spike Recovery: 0 out of 32 outside limits

Internal Standard Area and RT Summary

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): B47513

Date Analyzed: 01/26/07

Instrument ID: VOAMS2

Time Analyzed: 1717

		IS1 AREA #	RT #	IS2 (CBZ) AREA #	RT #	IS3 (DCB) AREA #	RT #
	=====	=====	=====	=====	=====	=====	=====
	12 HOUR STD	2961820	7.86	2098179	11.45	1251671	13.90
	UPPER LIMIT	5923640	8.36	4196358	11.95	2503342	14.40
	LOWER LIMIT	1480910	7.36	1049090	10.95	625836	13.40
	=====	=====	=====	=====	=====	=====	=====
	LABORATORY SAMPLE NO.						
	=====	=====	=====	=====	=====	=====	=====
01	BV026A	2632446	7.87	1960225	11.45	1043983	13.92
02	798091	2933762	7.85	2214598	11.45	1217541	13.90
03							
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 = Fluorobenzene
 IS2 (CBZ) = Chlorobenzene-d5
 IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50% of internal standard area
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT

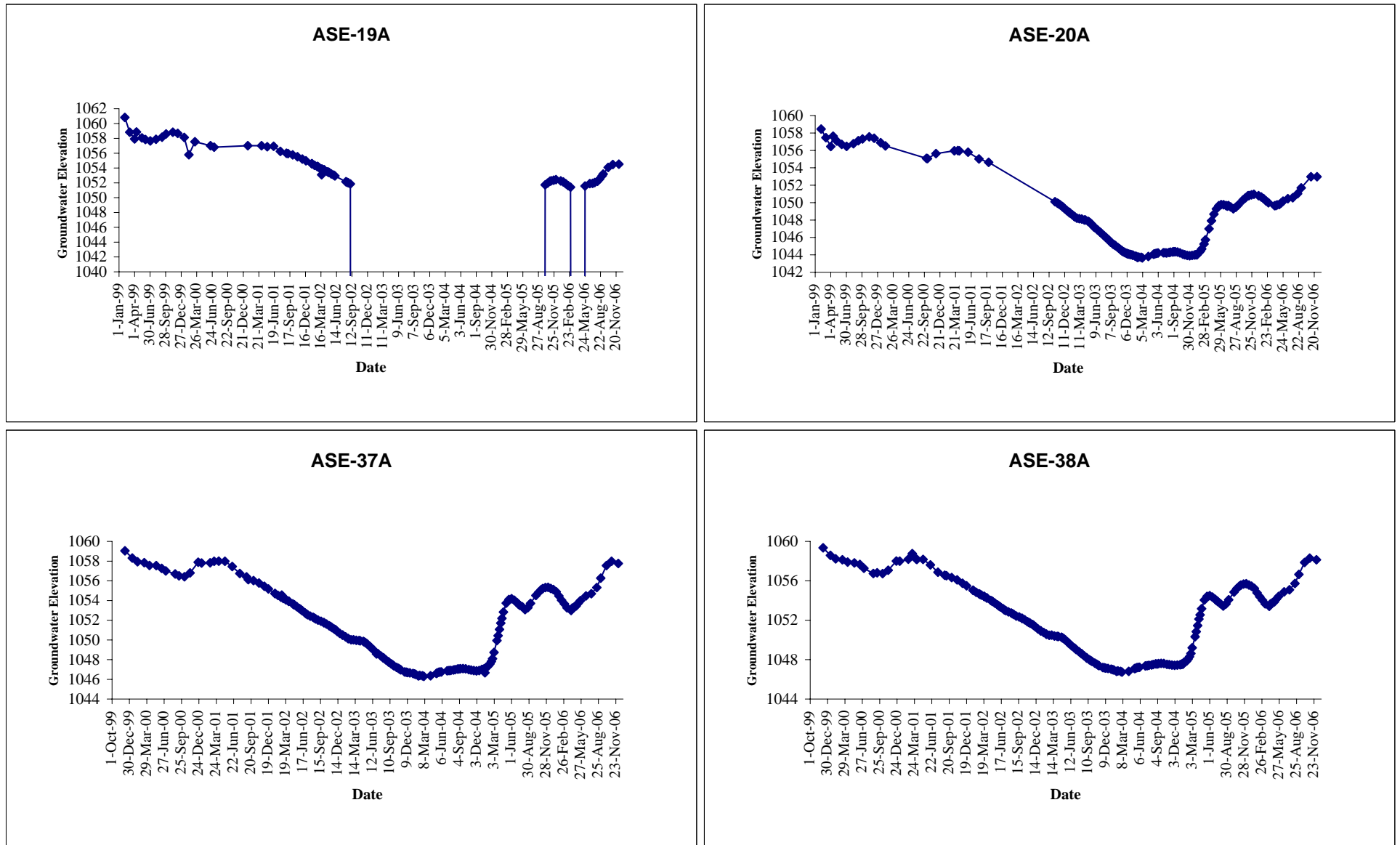
Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

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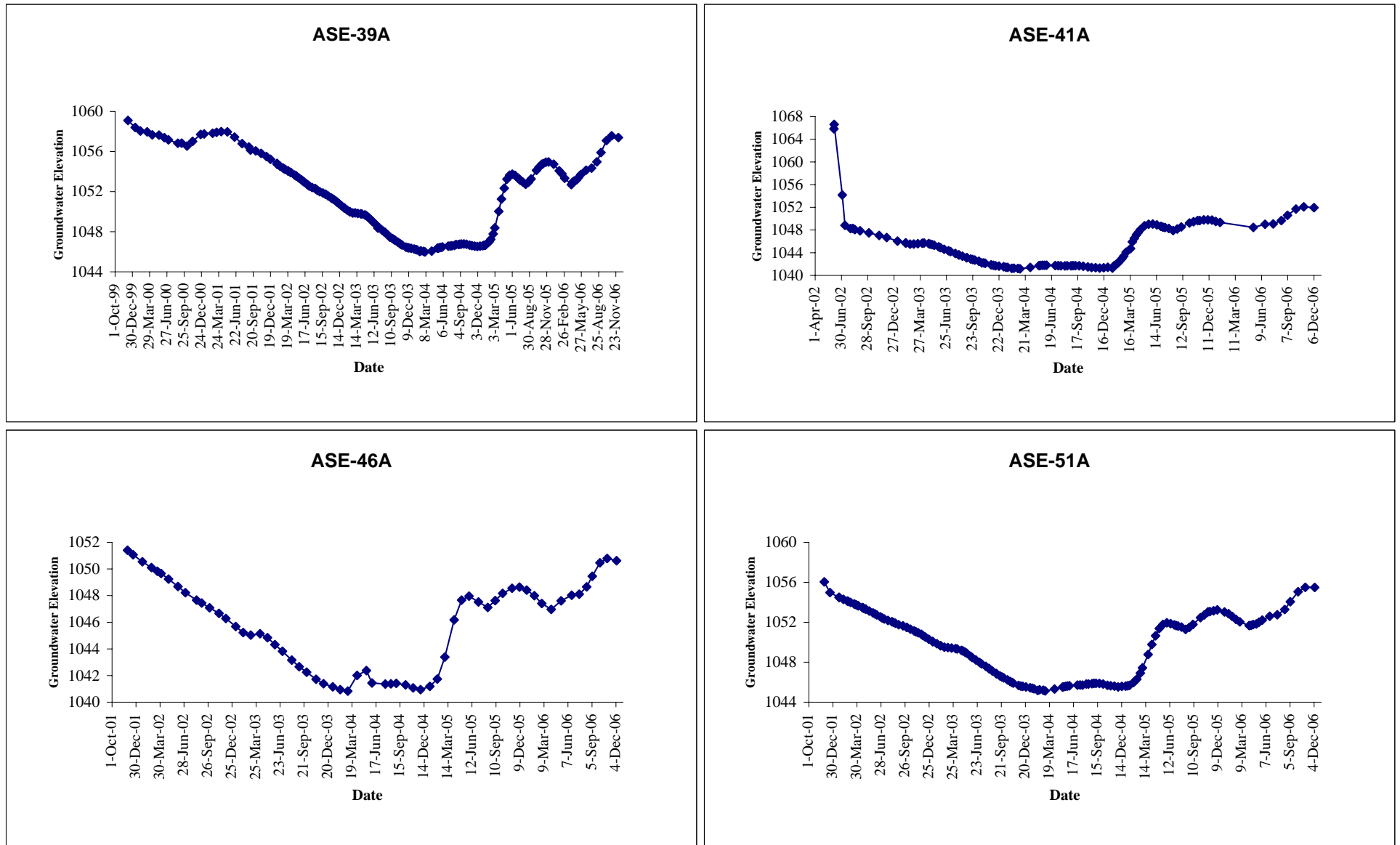
Appendix B

Hydrographs

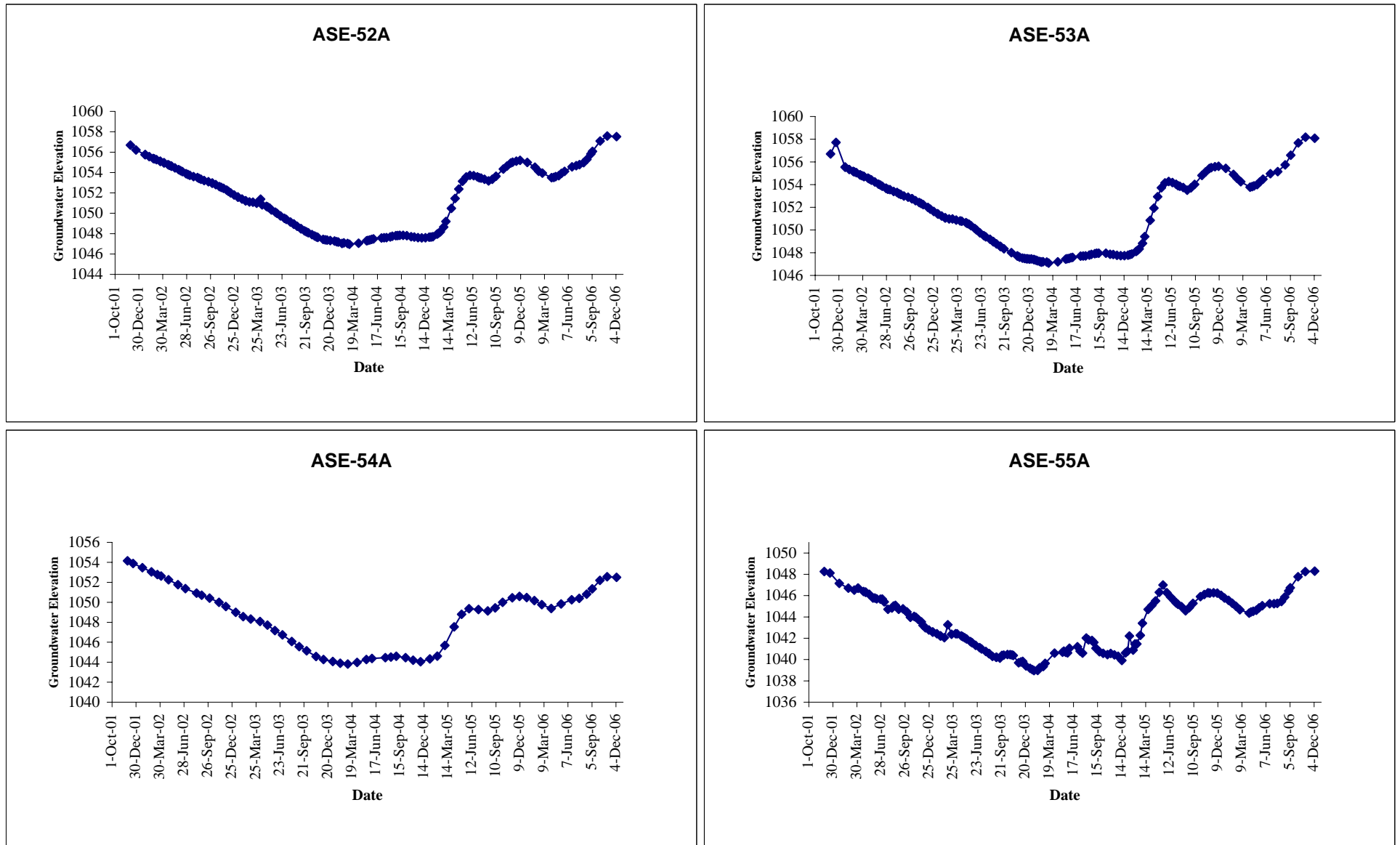
**FIGURE 1
HYDROGRAPHS**



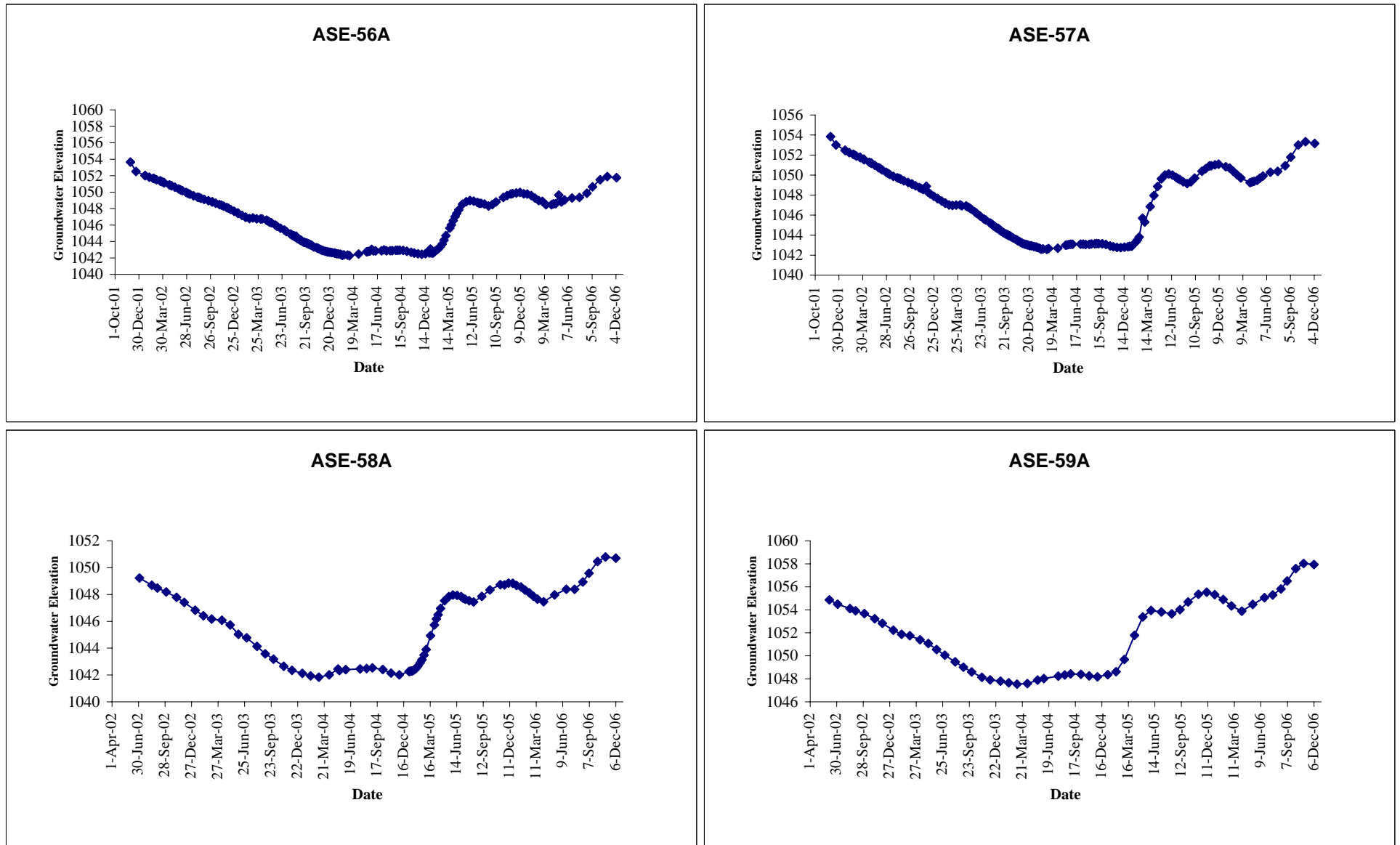
**FIGURE 1
HYDROGRAPHS**



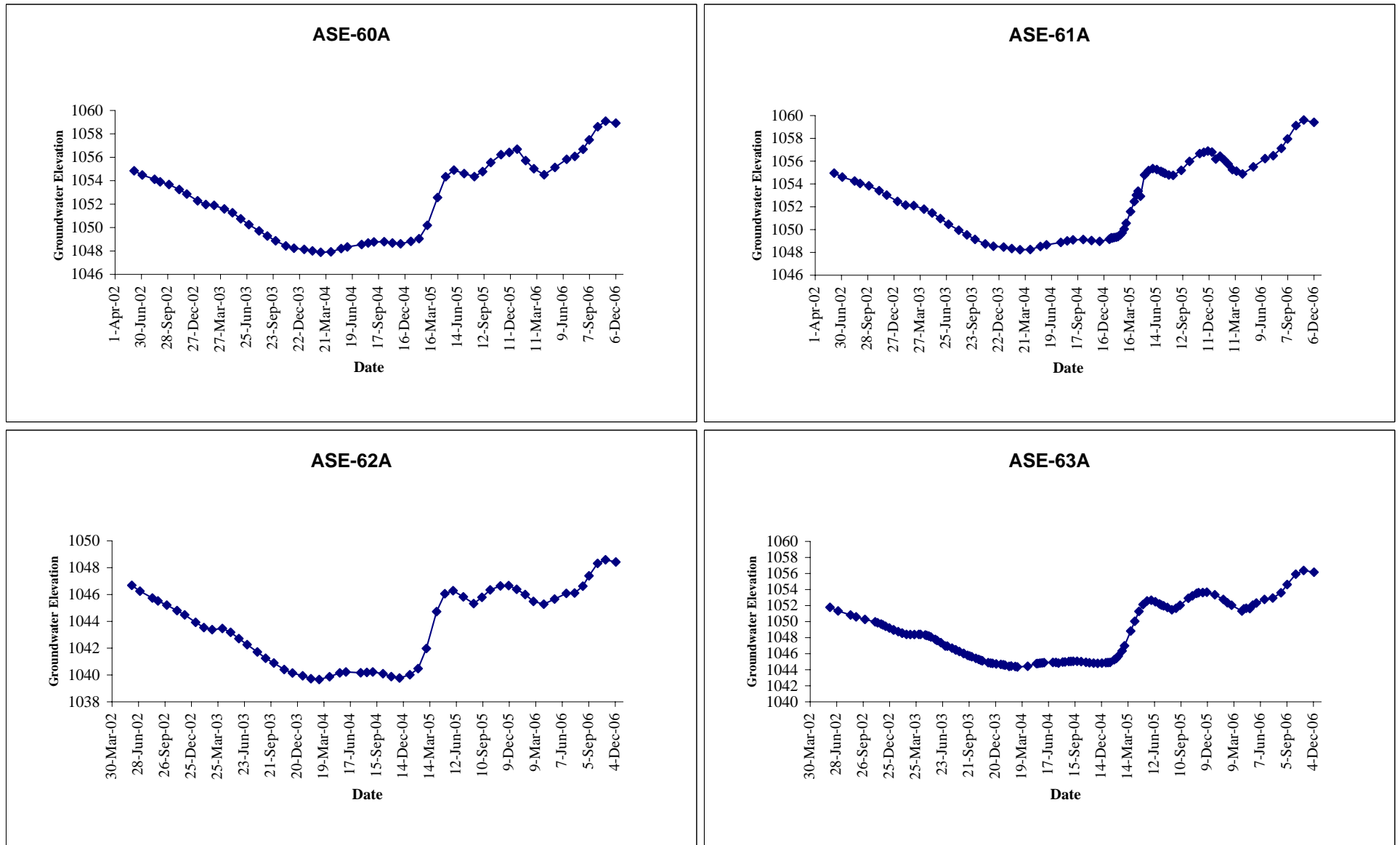
**FIGURE 1
HYDROGRAPHS**



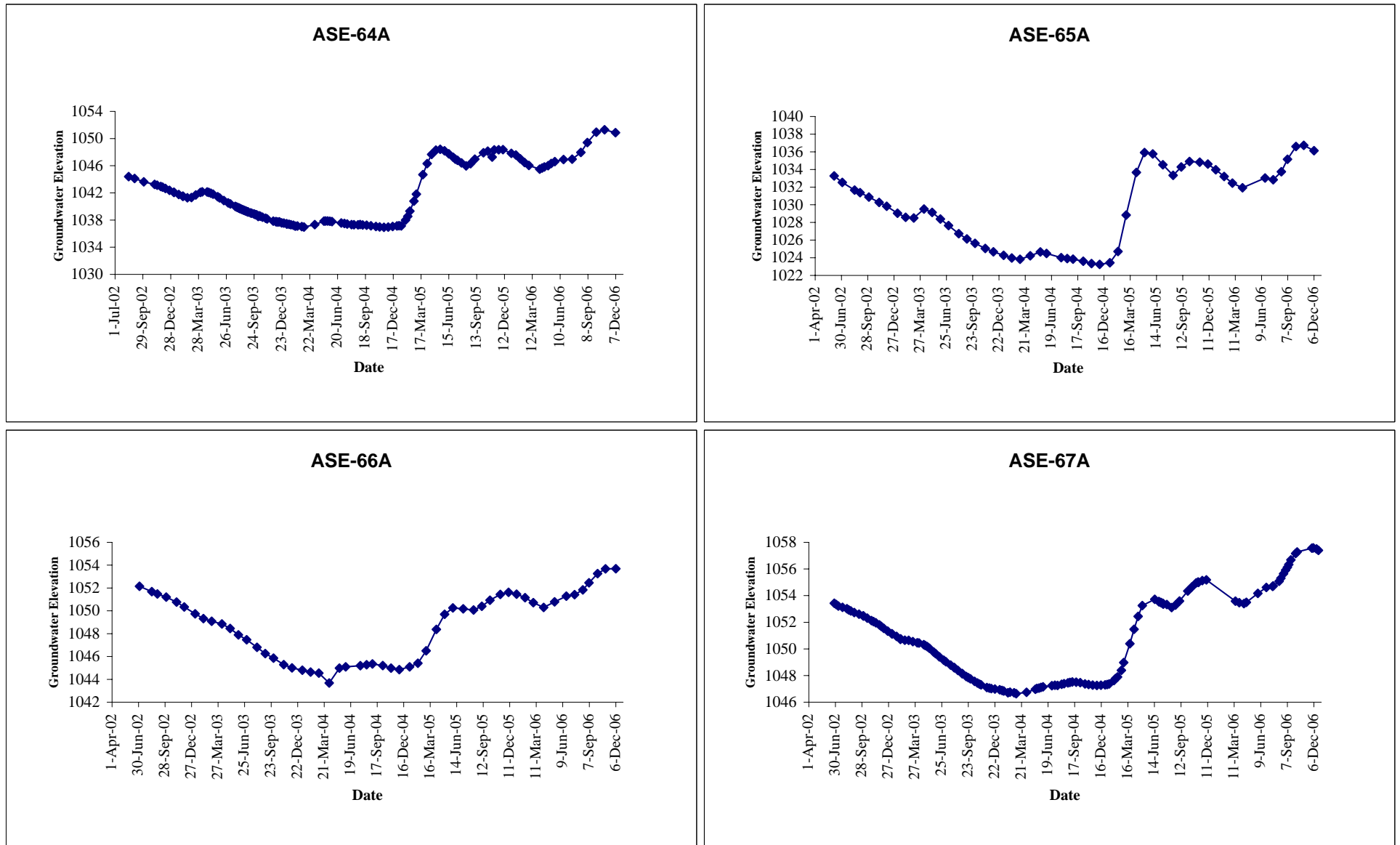
**FIGURE 1
HYDROGRAPHS**



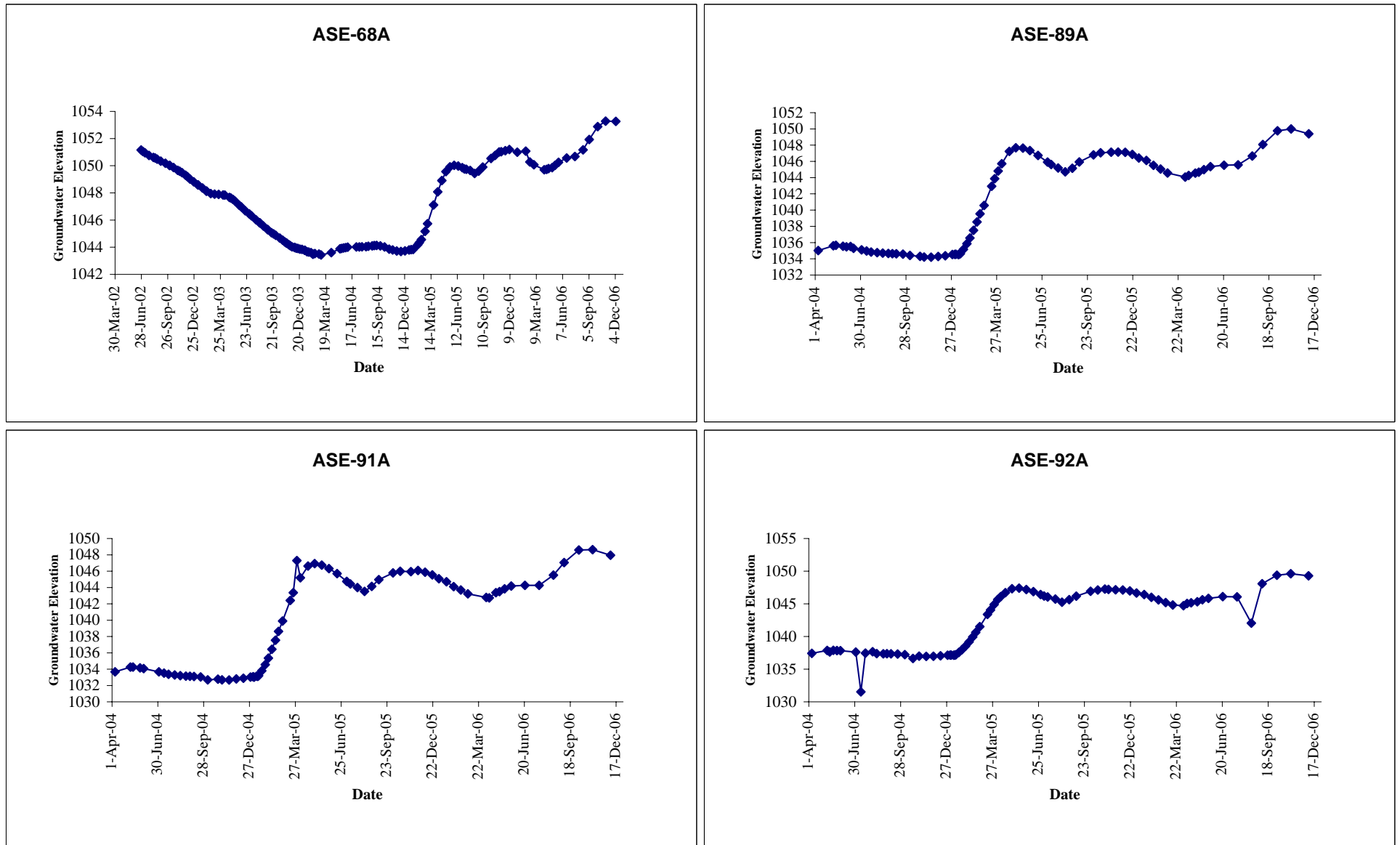
**FIGURE 1
HYDROGRAPHS**



**FIGURE 1
HYDROGRAPHS**



**FIGURE 1
HYDROGRAPHS**



**FIGURE 1
HYDROGRAPHS**

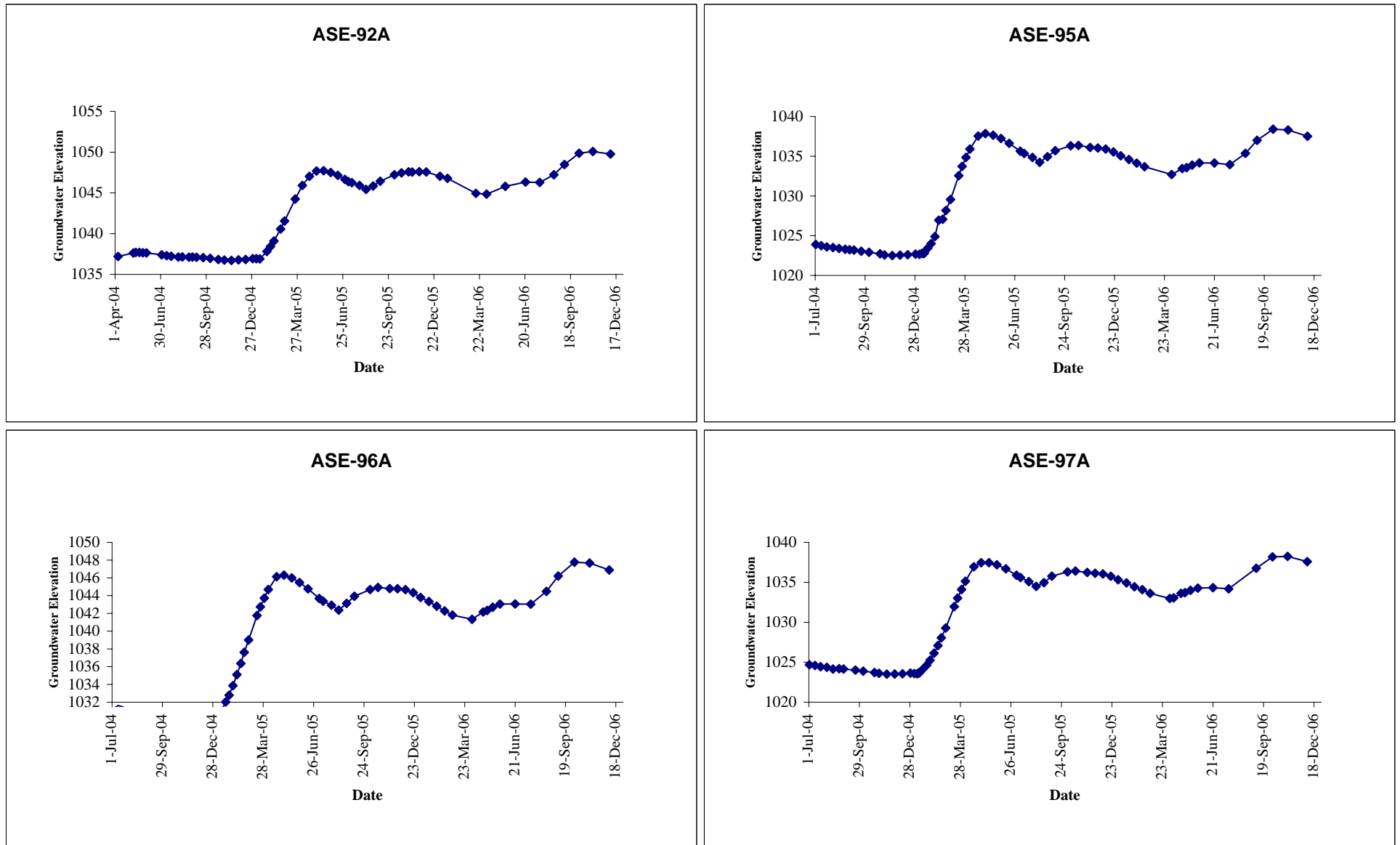


FIGURE 1
HYDROGRAPHS

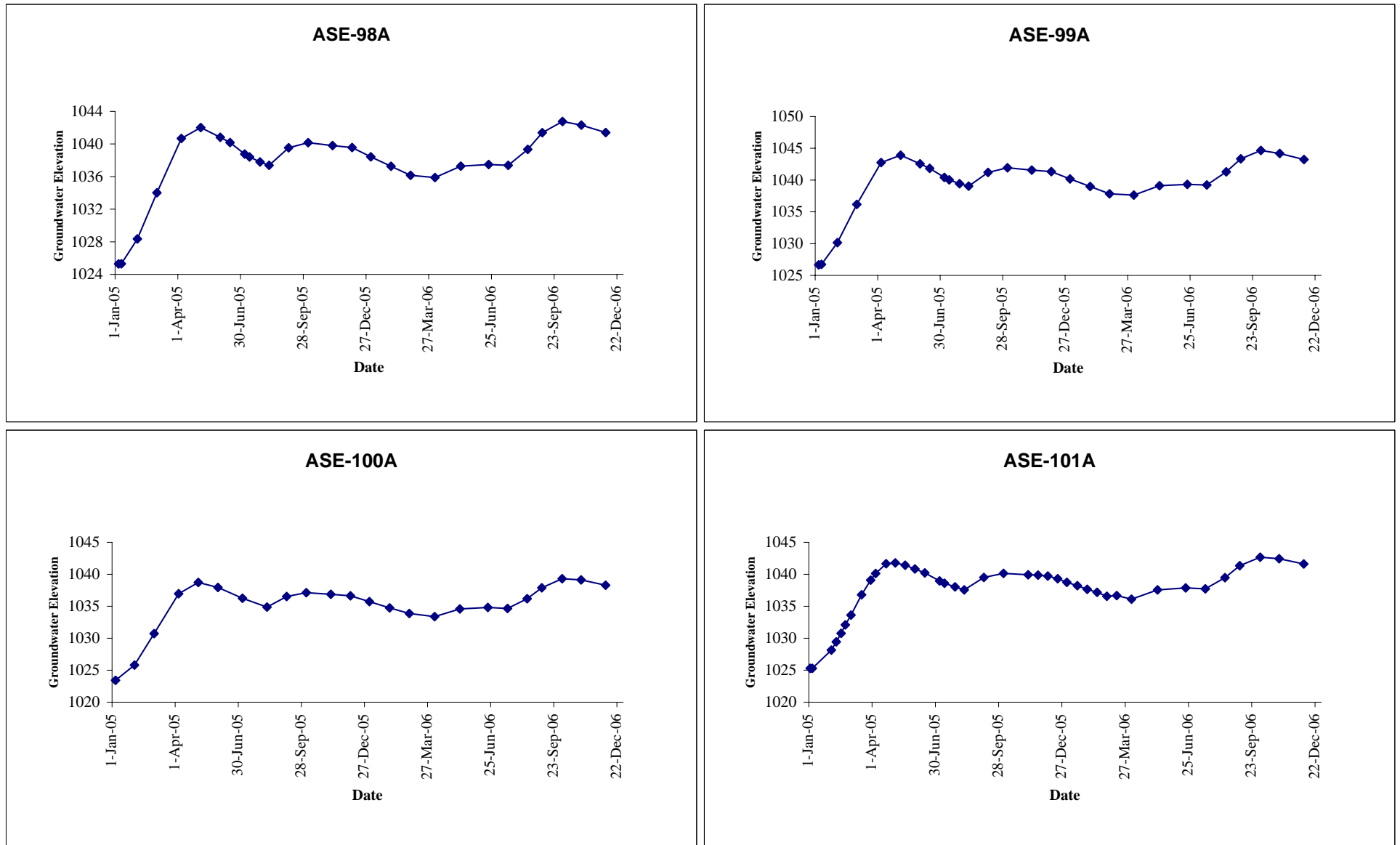


FIGURE 1
HYDROGRAPHS

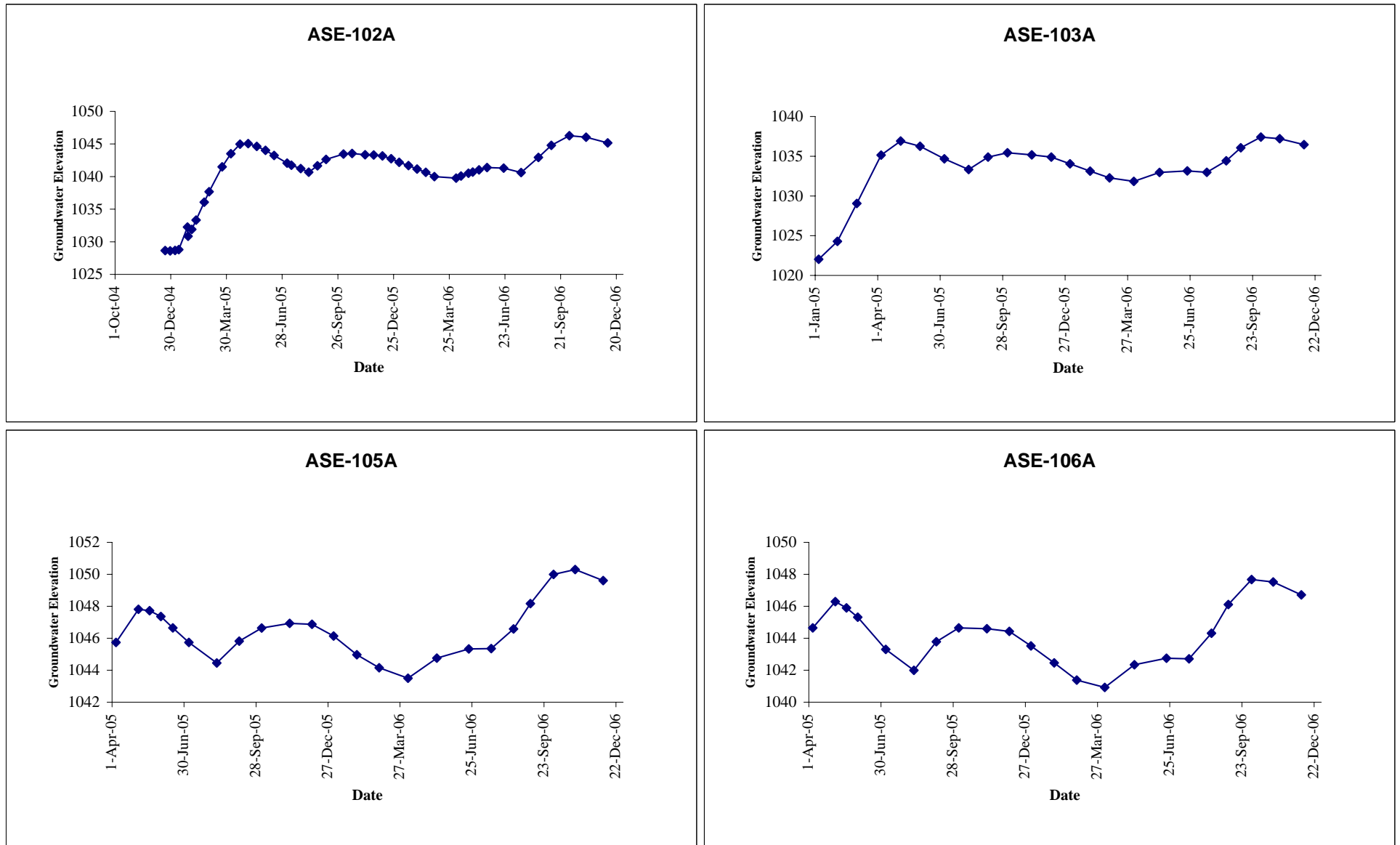


FIGURE 1
HYDROGRAPHS

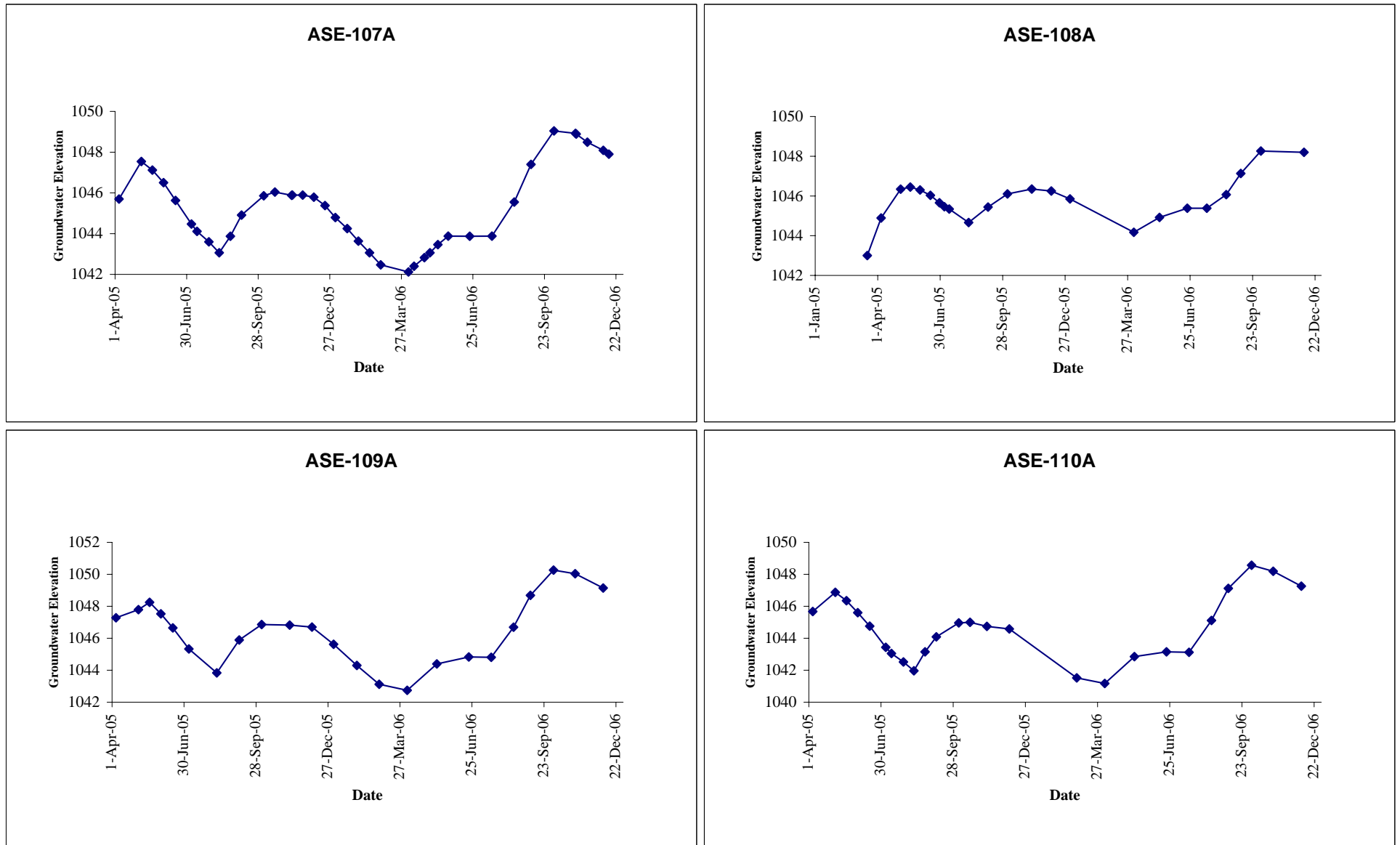


FIGURE 1
HYDROGRAPHS

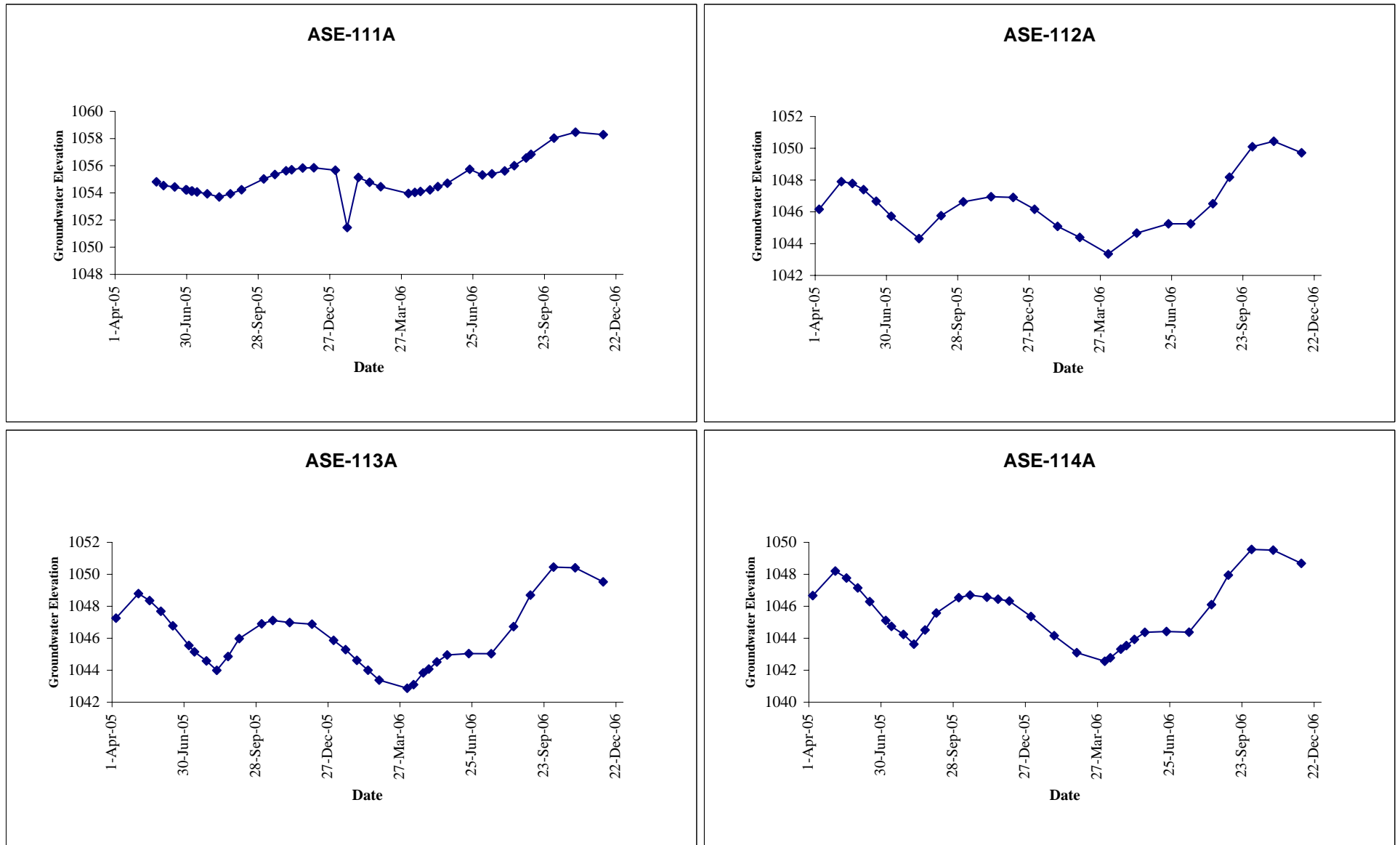


FIGURE 1
HYDROGRAPHS

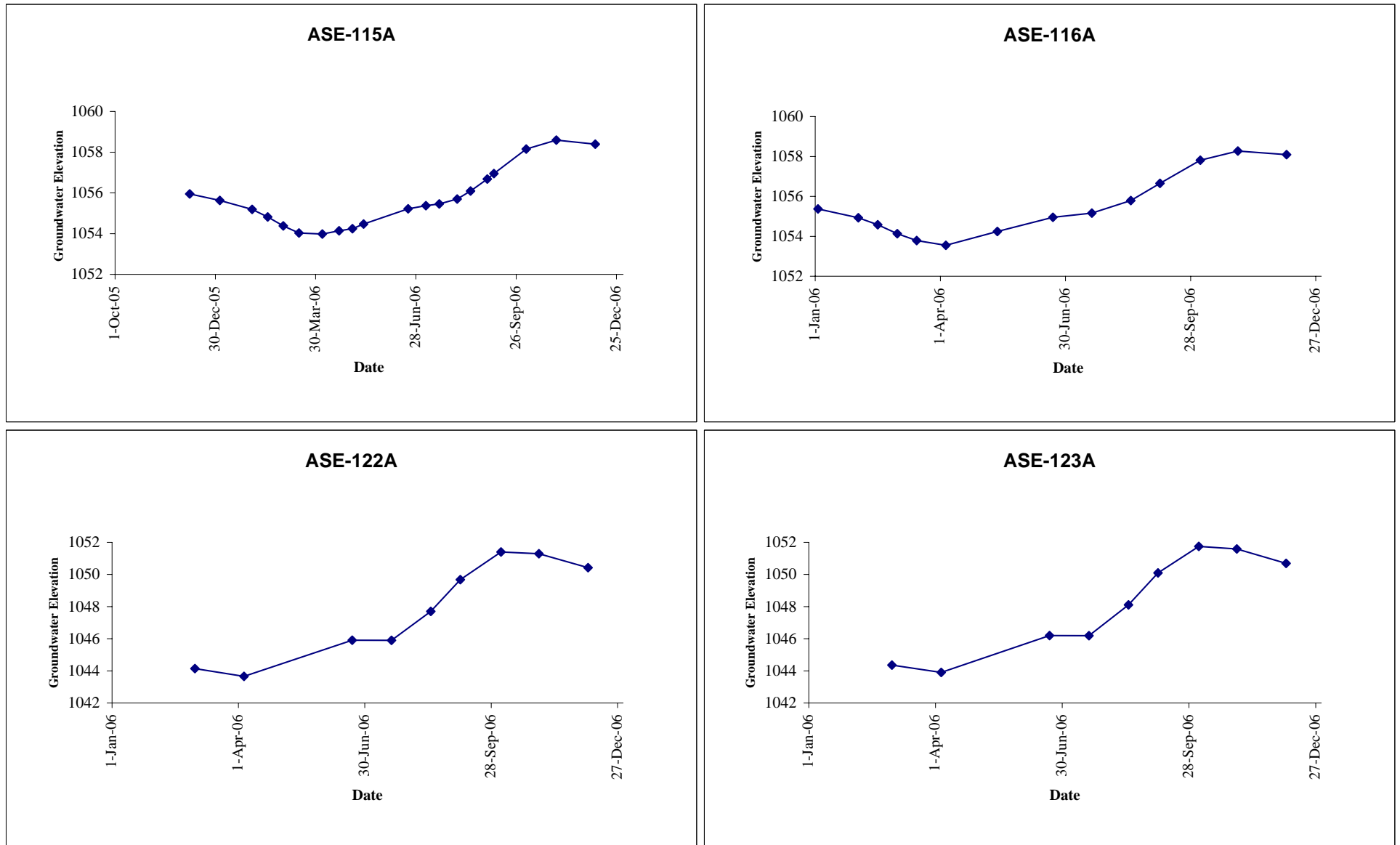


FIGURE 1
HYDROGRAPHS

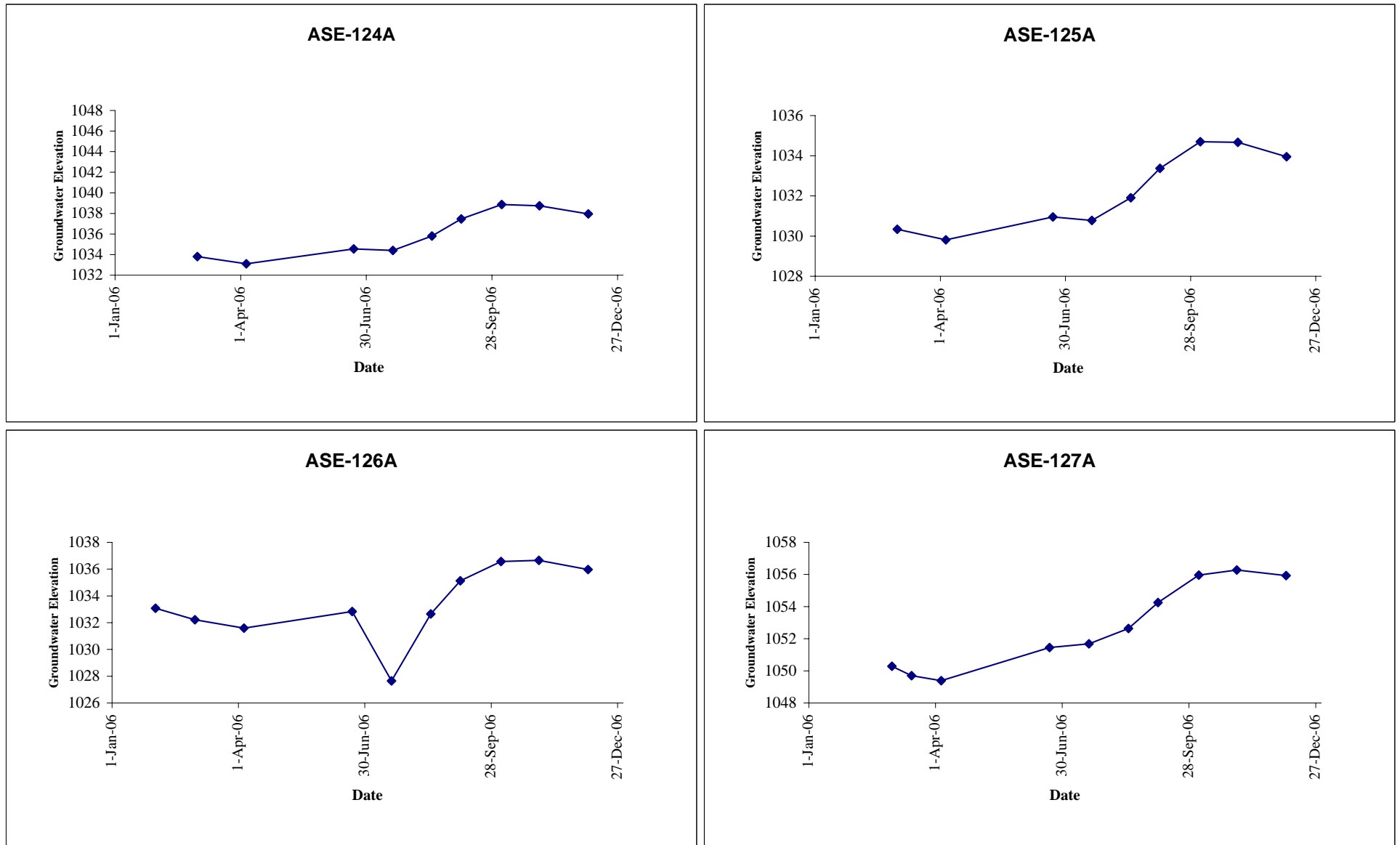
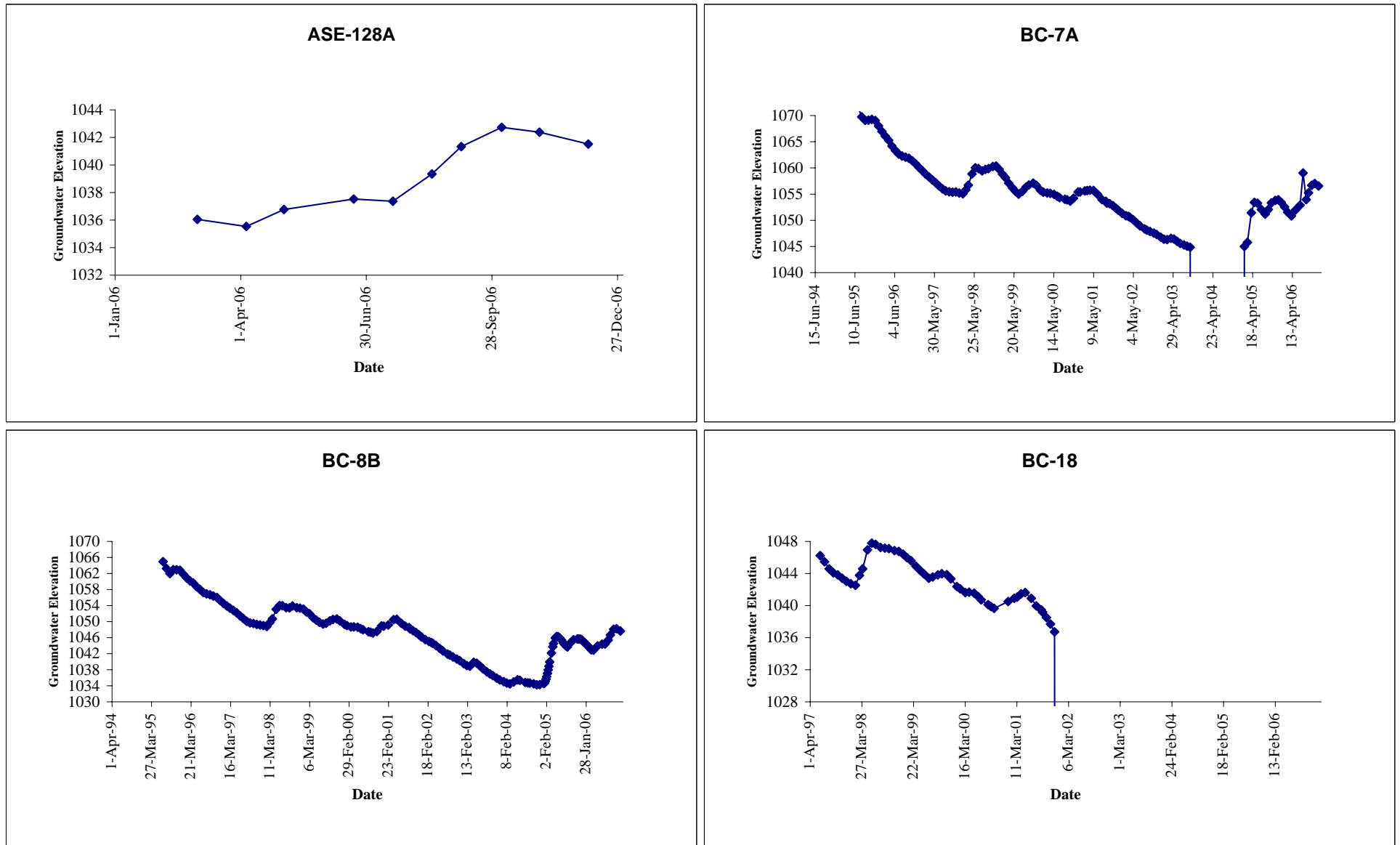


FIGURE 1
HYDROGRAPHS



**FIGURE 1
HYDROGRAPHS**

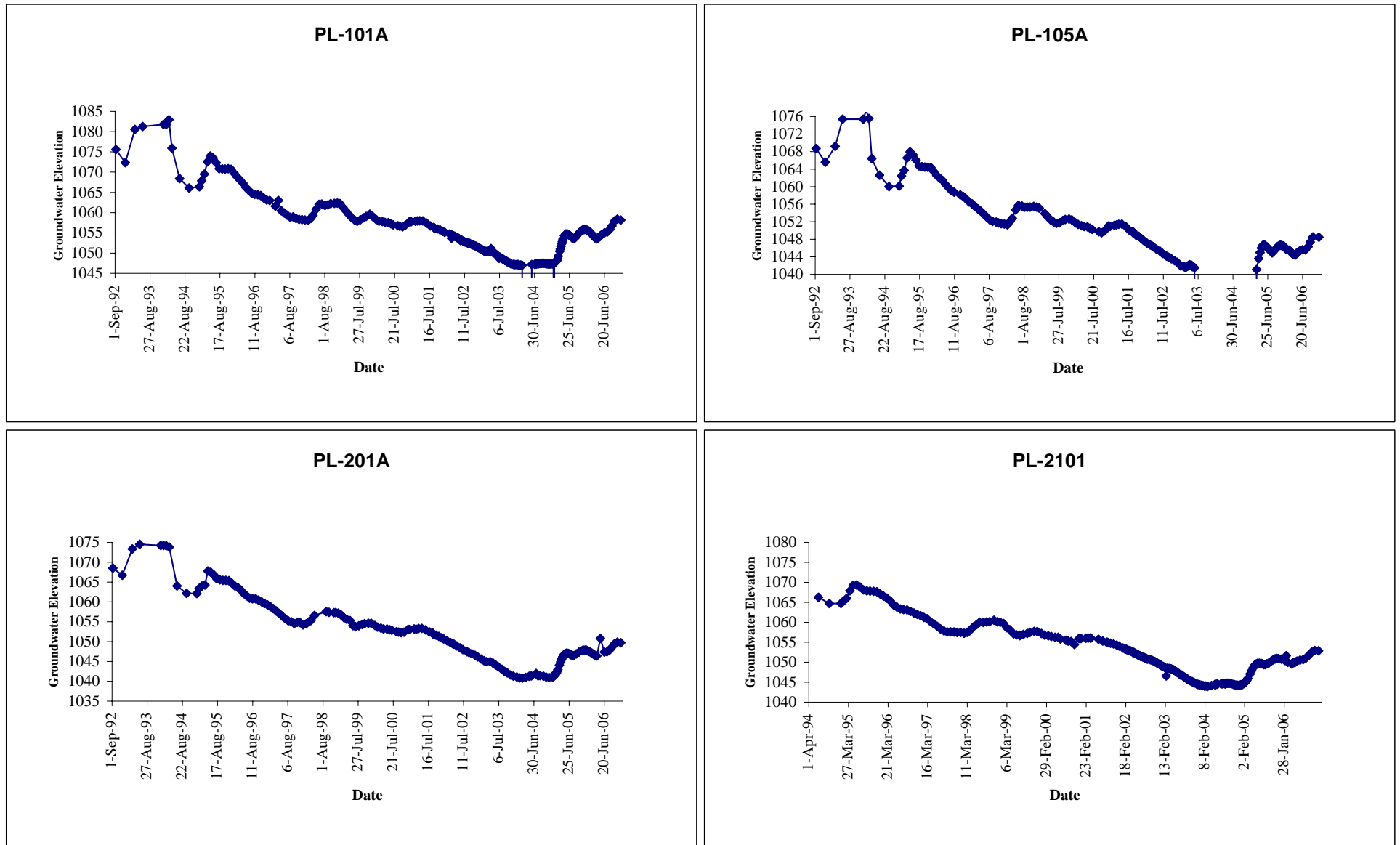
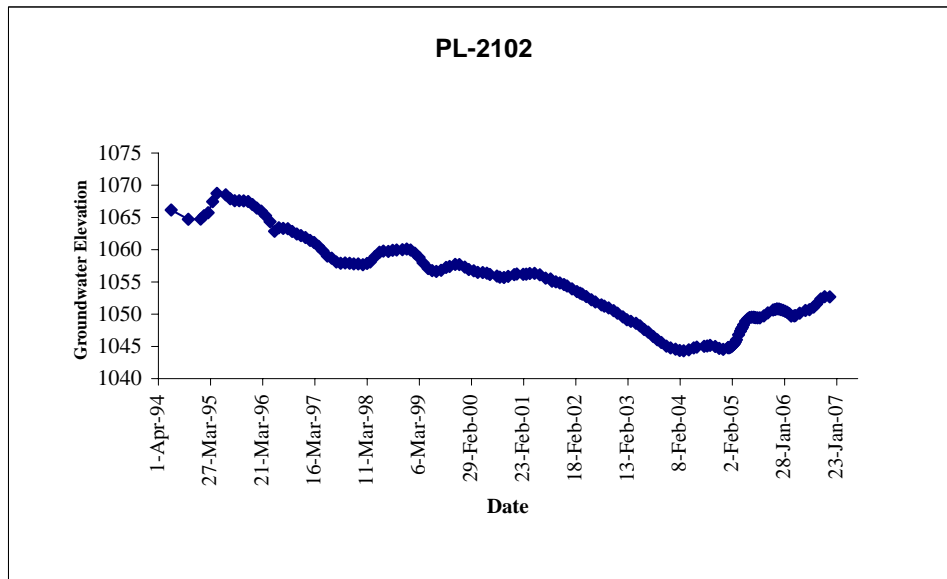


FIGURE 1
HYDROGRAPHS



Report

Fourth Quarter Status Report for 2006
Honeywell 34th Street Facility
Facility ID No. 0-002227
LUST File Nos. 0393.02-.10, .15-.17

Volume 2 of 2

Prepared for
Honeywell International Inc.

February 2007



Prepared by



CH2MHILL

Appendix C
Data Validation and
Laboratory Analytical Reports

Honeywell Sky Harbor

December 2006 UST Monitoring

Data Quality Evaluation Report

Introduction

The objective of this Data Quality Evaluation (DQE) report is to assess the data quality of analytical results for water samples collected for the UST monitoring period at the Honeywell Sky Harbor site in December 2006. Samples were collected and analyzed in an effort to continue providing a framework for long-term monitoring of the site. The data may also be used to support future activities such as feasibility studies, risk assessments, fate and transport modeling and remedial actions. Individual method requirements, guidelines from the USEPA Contract Laboratory National Functional Guidelines (NFG) for Organic Data Review, October 1999, the USEPA Contract Laboratory NFG for Inorganic Data Review, October 2004, and the Honeywell International Inc., Sky Harbor 34th Street Facility, Quality Assurance Project Plan (QAPP), July 2005, were used as the basis for this assessment.

This report is intended as a general data quality assessment designed to summarize data issues.

Analytical Data

This DQE report covers 62 normal environmental samples, one equipment blank (EB), 7 trip blanks (TB), and 7 field duplicate (FD) samples. The list of samples and collection dates are included in Attachment A at the end of this report. Samples were collected between December 6, 2006 and December 15, 2006. These sample results were reported as seven sample delivery groups (SDG) listed in Table 1. The analyses were performed by Columbia Analytical Services located in Redding, California (CAS).

Table 1 – SDGs by Laboratory	
SDG	Laboratory
D0602003	CAS
D0602022	CAS
D0602039	CAS
D0602054	CAS
D0602066	CAS
D0602089	CAS
D0602091	CAS

Three methods were used to analyze the environmental samples. Samples were collected and shipped by overnight carrier to the laboratory for analysis. Selected samples were analyzed for one or more of the following analytes/methods:

Table 2 – Analytical Parameters		
Parameter	Method	Laboratory
Volatile Organic Compounds (VOC)	SW8260	CAS
Polynuclear Aromatic Hydrocarbons (PAH)	SW8310	CAS
Total Petroleum Hydrocarbons (TPH) (diesel and motor oil)	SW8015	CAS

Data validation was performed in accordance with the USEPA Contract Laboratory NFG for Inorganic Data Review (2004) and Contract Laboratory NFG for Organic Data Review (1999), substituting the calibration and quality control requirements specified in the Sky Harbor QAPP for those specified in the NFG.

The assessment of data includes a review of: (1) the chain-of-custody (CoC) documentation; (2) holding-time compliance; (3) the required field and laboratory quality control (QC) samples; (4) flagging for method blanks; (5) laboratory control sample/laboratory control sample duplicates (LCS/LCSD); (6) surrogate spike recoveries for organic analyses; and, (7) matrix spike/matrix spike duplicate samples (MS/MSD).

Field samples were also reviewed to ascertain field compliance and data quality issues. This included a review of FDs, EBs and TBs.

Data flags are assigned according to the Sky Harbor QAPP. These flags, as well as the reason for each flag, are entered into the electronic database. Multiple flags are routinely applied to specific sample method/matrix/analyte combinations, but there will be only one final flag. A final flag is applied to the data and is the most conservative of the applied validation flags. The final flag also includes matrix and blank sample impacts.

The data flags are defined below:

- J = Analyte was present but reported value may not be accurate or precise.
- R = The result was rejected.
- U = This analyte was analyzed for but not detected at the specified detection limit.
- UJ = The analyte was not detected above the detection limit objective. However, the reported detection limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample

Findings

The overall summaries of the data validation findings are contained in the following sections below and summarized in Table 5.

Holding Times

All holding-time criteria were met.

Sample Quantitation

The Sky Harbor QAPP reporting limit (RL) objectives were met for all undiluted analyses.

Several samples required dilution due to high analyte concentrations. The RLs for non-detected analytes in the diluted samples were raised accordingly. Table 3 lists the samples analyzed at a dilution.

Table 3 – Samples Analyzed Diluted		
Method	Sample ID	Dilution Factor
SW8015	ASE-55A-6D2	10
SW8260	ASE-106A-6D2	10
SW8260	ASE-115A-6D2	40
SW8260	ASE-116A-6D2	10
SW8260	ASE-38A-6D2	40
SW8260	ASE-39A-6D2	40
SW8260	ASE-51A-6D2	10
SW8260	ASE-52A-6D2	10
SW8260	ASE-56A-6D2	10
SW8260	ASE-57A-6D2	10
SW8260	ASE-63A-6D2	40
SW8260	ASE-89A-6D2	40
SW8260	ASE-90A-6D2	40
SW8260	ASE-92A-6D2	10
SW8260	ASE-95A-6D2	10
SW8260	ASE-96A-6D2	10
SW8260	PL-101A-6D2	40
SW8260	PL-508-6D2	40
SW8310	ASE-115A-6D2	5
SW8310	ASE-116A-6D2	3

Calibration

Calibration information was not supplied in the Level II validation reports and could not be directly verified to have met QAPP control criteria. However, the laboratory case narratives and/or footnotes in the laboratory data packages were reviewed by the data validator and there were a few exceptions noted.

The recovery of a continuing calibration verification (CCV) standard was below criteria for dibenzo(a,h)anthracene by method SW8310, indicating the associated sample results are possibly biased low. Two associated non-detected results were qualified as estimated and flagged "UJ".

Four analytes were reported above the linear calibration range for method SW8260. The diluted analyses of these three samples were performed outside of holding time and were not reported. The four detected results in the original analyses were reported as estimated and flagged "J".

Method Blanks

Method blanks were analyzed at the required frequency and were free of contamination with one exception.

Chloroform was detected below the RL in a method blank for method SW8260. Seven associated samples were detected for chloroform at concentrations less than five times the blank concentration. The results were qualified as not detected and flagged "U".

Field Blanks

EBs and TBs were collected as a percentage of the overall number of field samples collected and not on a site, location or daily basis. The associated field samples were evaluated against the maximum concentration detected in the field blanks. The field blanks were free of contamination with the following exceptions:

Six analytes were detected below the RL in the EB for method SW8260. Forty-two associated results were detected less than five times (10 times for acetone) the blank concentrations. The results were qualified as not detected and flagged "U".

Acetone was detected below the RL in the TBs for method SW8260. Twenty-two associated results were detected less than 10 times the blank concentrations. The results were qualified as not detected and flagged "U".

Field Duplicates

Seven FD sets were collected and analyzed with this event. Only detected analytes in the FD pair were evaluated. All relative percent difference (RPD) criteria were met.

A list of FDs and associated parent samples is included below.

Table 4 – List of Field Duplicates	
Field Duplicate Sample ID	Associated Parent Sample ID
PL-502-6D2	ASE-122A-6D2

Table 4 – List of Field Duplicates	
Field Duplicate Sample ID	Associated Parent Sample ID
PL-503-6D2	ASE-105A-6D2
PL-504-6D2	ASE-46A-6D2
PL-505-6D2	ASE-108A-6D2
PL-506-6D2	ASE-64A-6D2
PL-507-6D2	ASE-68A-6D2
PL-508-6D2	ASE-38A-6D2

Surrogates

Surrogates were recovered within laboratory established QC limits.

Laboratory Control Samples

LCS/LCSDs were analyzed as required and generally met QC criteria.

The recoveries of n-butylbenzene and hexachlorobutadiene were below criteria in the LCS/LCSD sets for method SW8260, indicating the associated sample results are possibly biased low. Associated results were qualified as estimated, two detected results were flagged “J” and 14 non-detected results were flagged “UJ”.

Matrix Spikes

The results of MS/MSD analyses provide information about the possible influence of the matrix on either accuracy or precision of the measurements. In general, MS/MSD recoveries and the associated RPD met criteria. Below are summaries of incidences where either the recovery or RPD did not meet criteria that resulted in data qualification.

The MS performed on sample ASE-115A-6D2 for method SW8015 was recovered less than criteria for TPH-diesel. The associated detected sample result was qualified as estimated and “J” flagged.

The MS and MSD performed on sample ASE-51A-6D2 for method SW8260 was recovered less than criteria for four analytes. The associated non-detected sample results were qualified as estimated and “UJ” flagged. Additionally, the RPD for the MS/MSD pair did not meet criteria for acetone and the associated detected result was flagged “J”.

Confirmation

The confirmation RPD criterion was exceeded for fluorene in two samples and for pyrene in one sample. The detected results were qualified as estimated and “J” flagged.

Internal Standards

Internal standard data was not supplied and could not be directly verified to have met QAPP control criteria. The laboratory case narratives and/or footnotes in the laboratory data package were reviewed by the data validator. No sample data were qualified based on the case narrative/footnote review for this event.

Tentatively Identified Compounds

Tentatively identified compounds were not reported by the laboratory.

Chain of Custody

Each sample was documented in a completed CoC and received at the laboratory in good condition.

Overall Assessment

The goal of this assessment is to demonstrate that a sufficient number of representative samples were collected and the resulting analytical data can be used to support the decision-making process. The procedures for assessing the precision, accuracy, representativeness, completeness, and comparability parameters were based on the USEPA Contract Laboratory NFG for Inorganic Data Review (2004) and Contract Laboratory NFG for Organic Data Review (1999). The following summary highlights the PARCC findings for the above-defined events:

1. Less than two percent of the data were qualified due to low-level blank contamination. The degree to which blank contamination was observed is within reasonable method expectations.
2. Seventeen samples for method SW8260, one sample for method SW8015, and two samples for method SW8310, were analyzed diluted resulting in raised RLs for non-detected analytes.
3. A CCV exceedance was noted in the case narratives, resulting in two results qualified as estimated for method SW8310.
4. Four results were qualified as estimated for method SW8260 because they were reported above the linear calibration range.
5. LCS/LCSD recovery exceedances for method SW8260 resulted in 16 results qualified as estimated.
6. Confirmation RPD exceedances for method SW8310 resulted in three results qualified as estimated.
7. MS/MSD recovery and RPD exceedances for methods SW8015 and SW8260 suggest matrix effect in several samples; six results were qualified as estimated.
8. The precision and accuracy of the data, as measured by field and laboratory QC indicators, suggest that the project goals have been met

Table 5 - Validation Findings

METHOD	NativeID	Analyte	Final Result	Units	Final Flag	Validation Reason
SW8015	ASE-115A-6D2	C10 - C22 DRO	720	ug/L	J	MSL
SW8260	ASE-101A-6D2	Acetone	1.2	ug/L	U	TBL
SW8260	ASE-102A-6D2	Acetone	1.1	ug/L	U	TBL
SW8260	ASE-106A-6D2	Tetrachloroethene	0.91	ug/L	U	EBL
SW8260	ASE-107A-6D2	1,2-Dichlorobenzene	0.18	ug/L	U	EBL
SW8260	ASE-107A-6D2	1,4-Dichlorobenzene	0.44	ug/L	U	EBL
SW8260	ASE-107A-6D2	Acetone	1.1	ug/L	U	TBL, EBL
SW8260	ASE-107A-6D2	Chlorobenzene	2.9	ug/L	U	EBL
SW8260	ASE-107A-6D2	Tetrachloroethene	1.2	ug/L	U	EBL
SW8260	ASE-108A-6D2	Chloroform	0.21	ug/L	U	LBL
SW8260	ASE-109A-6D2	Tetrachloroethene	0.86	ug/L	U	EBL
SW8260	ASE-111A-6D2	Acetone	2.2	ug/L	U	TBL
SW8260	ASE-111A-6D2	Benzene	130	ug/L	J	LR
SW8260	ASE-111A-6D2	Chloroform	0.8	ug/L	U	LBL
SW8260	ASE-111A-6D2	Tert-butylmethylether	110	ug/L	J	LR
SW8260	ASE-112A-6D2	Acetone	1.1	ug/L	U	TBL
SW8260	ASE-113A-6D2	1,4-Dichlorobenzene	0.13	ug/L	U	EBL
SW8260	ASE-113A-6D2	Chlorobenzene	0.27	ug/L	U	EBL
SW8260	ASE-113A-6D2	Tetrachloroethene	1.8	ug/L	U	EBL
SW8260	ASE-113A-6D2	Toluene	0.16	ug/L	U	EBL
SW8260	ASE-114A-6D2	Chlorobenzene	0.17	ug/L	U	EBL
SW8260	ASE-114A-6D2	Tetrachloroethene	2	ug/L	U	EBL
SW8260	ASE-114A-6D2	Toluene	0.16	ug/L	U	EBL
SW8260	ASE-115A-6D2	Acetone	2.6	ug/L	U	TBL
SW8260	ASE-115A-6D2	Chloroform	0.35	ug/L	U	LBL
SW8260	ASE-116A-6D2	Acetone	1.5	ug/L	U	TBL
SW8260	ASE-122A-6D2	Chlorobenzene	0.16	ug/L	U	EBL
SW8260	ASE-122A-6D2	Tetrachloroethene	1.4	ug/L	U	EBL
SW8260	ASE-122A-6D2	Toluene	0.16	ug/L	U	EBL
SW8260	ASE-123A-6D2	Tetrachloroethene	0.56	ug/L	U	EBL
SW8260	ASE-124A-6D2	Chlorobenzene	0.17	ug/L	U	EBL
SW8260	ASE-124A-6D2	Tetrachloroethene	0.92	ug/L	U	EBL
SW8260	ASE-125A-6D2	1,4-Dichlorobenzene	0.2	ug/L	U	EBL
SW8260	ASE-125A-6D2	Chlorobenzene	0.29	ug/L	U	EBL
SW8260	ASE-125A-6D2	Tetrachloroethene	1.1	ug/L	U	EBL
SW8260	ASE-125A-6D2	Toluene	0.28	ug/L	U	EBL
SW8260	ASE-128A-6D2	Chlorobenzene	0.17	ug/L	U	EBL
SW8260	ASE-128A-6D2	Tetrachloroethene	0.32	ug/L	U	EBL
SW8260	ASE-20A-6D2	Hexachlorobutadiene	1	ug/L	UJ	LCSL, LCSDL
SW8260	ASE-20A-6D2	n-Butylbenzene	5	ug/L	UJ	LCSL, LCSDL
SW8260	ASE-37A-6D2	Acetone	1.1	ug/L	U	TBL
SW8260	ASE-38A-6D2	Acetone	1.9	ug/L	U	TBL
SW8260	ASE-38A-6D2	Chloroform	0.26	ug/L	U	LBL
SW8260	ASE-39A-6D2	Acetone	2	ug/L	U	TBL
SW8260	ASE-41A-6D2	Naphthalene	110	ug/L	J	LR

METHOD	NativeID	Analyte	Final Result	Units	Final Flag	Validation Reason
SW8260	ASE-46A-6D2	Acetone	1.1	ug/L	U	TBL
SW8260	ASE-51A-6D2	Acetone	2.9	ug/L	J	MSDP
SW8260	ASE-51A-6D2	Bromoform	5	ug/L	UJ	MSL, MSDL
SW8260	ASE-51A-6D2	cis-1,3-Dichloropropene	2	ug/L	UJ	MSDL
SW8260	ASE-51A-6D2	Dibromochloromethane	2	ug/L	UJ	MSL, MSDL
SW8260	ASE-51A-6D2	Hexachlorobutadiene	1	ug/L	UJ	LCSL, LCSDL
SW8260	ASE-51A-6D2	n-Butylbenzene	5	ug/L	UJ	LCSL, LCSDL
SW8260	ASE-51A-6D2	Styrene	2	ug/L	UJ	MSDL
SW8260	ASE-52A-6D2	Hexachlorobutadiene	1	ug/L	UJ	LCSL, LCSDL
SW8260	ASE-52A-6D2	n-Butylbenzene	5	ug/L	UJ	LCSL, LCSDL
SW8260	ASE-53A-6D2	Hexachlorobutadiene	1	ug/L	UJ	LCSL, LCSDL
SW8260	ASE-53A-6D2	n-Butylbenzene	5	ug/L	UJ	LCSL, LCSDL
SW8260	ASE-56A-6D2	Acetone	2.6	ug/L	U	TBL
SW8260	ASE-57A-6D2	Acetone	2.9	ug/L	U	TBL
SW8260	ASE-62A-6D2	Chloroform	0.36	ug/L	U	LBL
SW8260	ASE-65A-6D2	Hexachlorobutadiene	1	ug/L	UJ	LCSL, LCSDL
SW8260	ASE-65A-6D2	n-Butylbenzene	5	ug/L	UJ	LCSL, LCSDL
SW8260	ASE-66A-6D2	Hexachlorobutadiene	1	ug/L	UJ	LCSL, LCSDL
SW8260	ASE-66A-6D2	n-Butylbenzene	5	ug/L	UJ	LCSL, LCSDL
SW8260	ASE-68A-6D2	Hexachlorobutadiene	1	ug/L	UJ	LCSL, LCSDL
SW8260	ASE-68A-6D2	n-Butylbenzene	7	ug/L	J	LCSL, LCSDL
SW8260	ASE-89A-6D2	Acetone	2.3	ug/L	U	TBL
SW8260	ASE-90A-6D2	Acetone	1.2	ug/L	U	TBL
SW8260	ASE-91A-6D2	1,1-Dichloroethane	120	ug/L	J	LR
SW8260	ASE-95A-6D2	1,4-Dichlorobenzene	0.16	ug/L	U	EBL
SW8260	ASE-95A-6D2	Acetone	1.1	ug/L	U	TBL, EBL
SW8260	ASE-95A-6D2	Chlorobenzene	0.27	ug/L	U	EBL
SW8260	ASE-95A-6D2	Tetrachloroethene	0.64	ug/L	U	EBL
SW8260	ASE-95A-6D2	Toluene	0.2	ug/L	U	EBL
SW8260	ASE-96A-6D2	1,4-Dichlorobenzene	0.17	ug/L	U	EBL
SW8260	ASE-96A-6D2	Chlorobenzene	0.45	ug/L	U	EBL
SW8260	ASE-96A-6D2	Tetrachloroethene	0.5	ug/L	U	EBL
SW8260	ASE-96A-6D2	Toluene	0.17	ug/L	U	EBL
SW8260	ASE-98A-6D2	Chlorobenzene	0.18	ug/L	U	EBL
SW8260	ASE-98A-6D2	Tetrachloroethene	0.29	ug/L	U	EBL
SW8260	ASE-98A-6D2	Toluene	0.16	ug/L	U	EBL
SW8260	ASE-99A-6D2	Chlorobenzene	0.2	ug/L	U	EBL
SW8260	ASE-99A-6D2	Tetrachloroethene	0.26	ug/L	U	EBL
SW8260	BC-8B-6D2	Acetone	1.1	ug/L	U	TBL
SW8260	PL-101A-6D2	Acetone	2.1	ug/L	U	TBL
SW8260	PL-502-6D2	Acetone	1.1	ug/L	U	TBL, EBL
SW8260	PL-502-6D2	Tetrachloroethene	1.5	ug/L	U	EBL
SW8260	PL-504-6D2	Acetone	1.2	ug/L	U	TBL
SW8260	PL-505-6D2	Chloroform	0.21	ug/L	U	LBL
SW8260	PL-506-6D2	Acetone	1.1	ug/L	U	TBL
SW8260	PL-507-6D2	Hexachlorobutadiene	1	ug/L	UJ	LCSL, LCSDL

METHOD	NativeID	Analyte	Final Result	Units	Final Flag	Validation Reason
SW8260	PL-507-6D2	n-Butylbenzene	7.3	ug/L	J	LCSL, LCSDL
SW8260	PL-508-6D2	Acetone	1.9	ug/L	U	TBL
SW8260	PL-508-6D2	Chloroform	0.25	ug/L	U	LBL
SW8310	ASE-115A-6D2	Dibenzo(a,h)anthracene	0.1	ug/L	UJ	CCVL
SW8310	ASE-115A-6D2	Fluorene	0.31	ug/L	J	CFP
SW8310	ASE-116A-6D2	Dibenzo(a,h)anthracene	0.1	ug/L	UJ	CCVL
SW8310	ASE-116A-6D2	Fluorene	0.16	ug/L	J	CFP
SW8310	PL-502-6D2	Pyrene	0.11	ug/L	J	CFP

Notes:

CCVL = Continuing calibration recovery less than lower control limit.

CFP = Confirmation precision exceeded.

EBL = Equipment blank concentration less than the RL.

LBL = Laboratory blank concentration less than the RL.

TBL = Trip blank concentration less than the RL.

LCSL - LCS recovery less than lower limit.

LCSDL - LCS duplicate recovery less than lower limit.

LR = Linear range exceeded. Concentration above linear range.

MSL - Matrix spike recovery less than the lower limit.

MSDL - Matrix spike duplicate recovery less than the lower limit.

MSDP - Matrix spike duplicate RPD criteria exceedance.

Attachment A

Samples Associated with DQE		
SampleID	Sample Type	Sample Date
PL-501-6D2	EB	12/07/2006
PL-502-6D2	FD	12/07/2006
PL-503-6D2	FD	12/08/2006
PL-504-6D2	FD	12/11/2006
PL-505-6D2	FD	12/14/2006
PL-506-6D2	FD	12/12/2006
PL-507-6D2	FD	12/15/2006
PL-508-6D2	FD	12/12/2006
ASE-100A-6D2	REG	12/08/2006
ASE-101A-6D2	REG	12/08/2006
ASE-102A-6D2	REG	12/08/2006
ASE-103A-6D2	REG	12/08/2006
ASE-105A-6D2	REG	12/08/2006
ASE-106A-6D2	REG	12/07/2006
ASE-107A-6D2	REG	12/07/2006
ASE-108A-6D2	REG	12/14/2006
ASE-109A-6D2	REG	12/07/2006
ASE-110A-6D2	REG	12/08/2006
ASE-111A-6D2	REG	12/13/2006
ASE-112A-6D2	REG	12/08/2006
ASE-113A-6D2	REG	12/07/2006
ASE-114A-6D2	REG	12/07/2006
ASE-115A-6D2	REG	12/13/2006
ASE-116A-6D2	REG	12/13/2006
ASE-122A-6D2	REG	12/07/2006
ASE-123A-6D2	REG	12/07/2006
ASE-124A-6D2	REG	12/07/2006
ASE-125A-6D2	REG	12/07/2006
ASE-126A-6D2	REG	12/08/2006
ASE-127A-6D2	REG	12/08/2006
ASE-128A-6D2	REG	12/07/2006
ASE-20A-6D2	REG	12/15/2006
ASE-37A-6D2	REG	12/12/2006
ASE-38A-6D2	REG	12/12/2006
ASE-39A-6D2	REG	12/12/2006
ASE-41A-6D2	REG	12/14/2006
ASE-46A-6D2	REG	12/11/2006
ASE-51A-6D2	REG	12/15/2006
ASE-52A-6D2	REG	12/15/2006
ASE-53A-6D2	REG	12/15/2006
ASE-54A-6D2	REG	12/11/2006

Samples Associated with DQE		
SampleID	Sample Type	Sample Date
ASE-55A-6D2	REG	12/14/2006
ASE-56A-6D2	REG	12/12/2006
ASE-57A-6D2	REG	12/12/2006
ASE-58A-6D2	REG	12/11/2006
ASE-59A-6D2	REG	12/11/2006
ASE-60A-6D2	REG	12/11/2006
ASE-61A-6D2	REG	12/11/2006
ASE-62A-6D2	REG	12/14/2006
ASE-63A-6D2	REG	12/12/2006
ASE-64A-6D2	REG	12/12/2006
ASE-65A-6D2	REG	12/15/2006
ASE-66A-6D2	REG	12/15/2006
ASE-68A-6D2	REG	12/15/2006
ASE-89A-6D2	REG	12/08/2006
ASE-90A-6D2	REG	12/08/2006
ASE-91A-6D2	REG	12/14/2006
ASE-92A-6D2	REG	12/14/2006
ASE-95A-6D2	REG	12/07/2006
ASE-96A-6D2	REG	12/07/2006
ASE-97A-6D2	REG	12/08/2006
ASE-98A-6D2	REG	12/07/2006
ASE-99A-6D2	REG	12/07/2006
BC-7A-6D2	REG	12/08/2006
BC-8B-6D2	REG	12/08/2006
PL-101A-6D2	REG	12/12/2006
PL-105A-6D2	REG	12/14/2006
PL-201A-6D2	REG	12/11/2006
PL-2101-6D2	REG	12/11/2006
PL-2102-6D2	REG	12/11/2006
TB-120606	TB	12/07/2006
TB-120706	TB	12/08/2006
TB121106	TB	12/11/2006
TB-121206	TB	12/12/2006
TB-121306	TB	12/13/2006
TB-121406	TB	12/14/2006
TB-121506	TB	12/15/2006

December 22, 2006

Service Request No: D0602003

Shane Lowe
CH2M Hill
2625 S. Plaza Drive
Suite 300
Tempe, AZ 85282

RE: Sky Harbor/2959482

Dear Shane:

Enclosed are the results of the sample(s) submitted to our laboratory on December 8, 2006. For your reference, these analyses have been assigned our service request number D0602003.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAP standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please call if you have any questions. My extension is 105. You may also contact me via email at MFesler@redding.caslab.com.

Respectfully submitted,

Columbia Analytical Services, Inc.



Mark Fesler
Project Chemist

CC: Terri Krauss

Page 1 of 134

Current CAS Redding Accreditation Programs

Federal and National Programs

- U.S Air Force, Air Force Center for Environmental Excellence (AFCEE)
Approved laboratory for Wastewater and Hazardous Waste
- U.S. Army Corps of Engineers – MRD, HTRW Mandatory Center of Expertise
Validated for Wastewater and Hazardous Waste
- Department of the Navy, Naval Facilities Engineering Service Center (NFESC)
Approved laboratory for Wastewater and Hazardous Waste

State and Local Programs

- State of Alaska, Department of Environmental Conservation
Approved Laboratory for Contaminated Sites
Lab ID UST-001
- State of Arizona, Department of Health Services, Office of Laboratory Licensure
Approved Laboratory for Drinking Water, Wastewater, and Hazardous Waste
Lab ID AZ0604
- State of California, Department of Health Services, National Environmental Laboratory Accreditation Program (NELAP)
Approved Laboratory for Drinking Water, Wastewater and Hazardous Waste
Lab ID 01105CA
 - Los Angeles County Sanitation District
Approved Laboratory for Wastewater
Lab ID 10243
- State of California, Department of Health Services, Environmental Laboratory Accreditation Program (ELAP)
Approved Laboratory for Microbiology of Drinking Water and Wastewater
Lab ID 2635
- State of Florida, Department of Health, Bureau of Laboratories (NELAP)
Approved Environmental Testing Laboratory for Wastewater and Hazardous Waste
Lab ID E87203
- State of Kansas, Department of Health and Environment (NELAP)
Approved Laboratory for Hazardous Waste
Lab ID E-10323
- State of Massachusetts, Department of Environmental Protection
Approved laboratory for Drinking Water and Wastewater
Lab ID M-CA025
- State of Oklahoma, Department of Environmental Quality
Approved Laboratory for General Water Quality/Sludge Testing
Lab ID 9952
- State of Oregon, Environmental Laboratory Accreditation Program (ORELAP)
Approved Laboratory for Drinking Water, Wastewater, and Hazardous Waste
Lab ID CA200004
- State of Utah, Department of Health, Bureau of Laboratory Improvement (NELAP)
Approved Laboratory for Wastewater and Hazardous Waste
Lab ID QUAL1
- State of Washington, Department of Ecology
Approved Laboratory for Wastewater and Hazardous Waste
Lab ID C1234
- State of Wisconsin, Department of Natural Resources
Approved Laboratory for Wastewater and Hazardous Waste
Lab ID 999767340

Arizona Data Qualifiers

Revision 2.0, 11/26/2003

Developed by the Sub-committee of the
Arizona Environmental Laboratory Advisory Committee

Microbiology:

- A1 = Too numerous to count.
- A2 = Sample incubation period exceeded method requirement.
- A3 = Sample incubation period was shorter than method requirement.
- A4 = Target organism detected in associated method blank.
- A5 = Incubator/water bath temperature was outside method requirements.
- A6 = Target organism not detected in associated positive control.
- A7 = Micro sample received without adequate headspace.

Method/calibration blank:

- B1 = Target analyte detected in method blank at or above the method reporting limit.
- B2 = Non-target analyte detected in method blank and sample, producing interference.
- B3 = Target analyte detected in calibration blank at or above the method reporting limit.
- B4 = Target analyte detected in blank at/above method acceptance criteria.
- B5 = Target analyte detected in method blank at or above the method reporting limit, but below trigger level or MCL.
- B6 = Target analyte detected in calibration blank at or above the method reporting limit, but below trigger level or MCL.
- B7 = Target analyte detected in method blank at or above method reporting limit. Concentration found in the sample was 10 times above the concentration found in the method blank.

Confirmation:

- C1 = Confirmatory analysis not performed as required by the method.
- C3 = Qualitative confirmation performed.
- C4 = Confirmatory analysis was past holding time.
- C5 = Confirmatory analysis was past holding time. Original result not confirmed.
- C6 = Sample RPD between the primary and confirmatory analysis exceeded 40%. Per EPA Method 8000B, the higher value was reported as there was no obvious chromatographic interference.
- C7 = Sample RPD between the primary and confirmatory analysis exceeded 40%. Per EPA Method 8000B, the lower value was reported due to apparent chromatographic interference.

Dilution:

- D1 = Sample required dilution due to matrix.
- D2 = Sample required dilution due to high concentration of target analyte.
- D3 = Sample dilution required due to insufficient sample.
- D4 = Minimum reporting level (MRL) adjusted to reflect sample amount received and analyzed.

Estimated concentration:

- E1 = Concentration estimated. Analyte exceeded calibration range. Reanalysis not possible due to insufficient sample.
- E2 = Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to sample matrix.
- E3 = Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to holding time requirements.

Arizona Data Qualifiers
Revision 2.0, 11/26/2003

- E4 = Concentration estimated. Analyte was detected below laboratory minimum reporting level (MRL).
- E5 = Concentration estimated. Analyte was detected below laboratory minimum reporting level (MRL), but not confirmed by alternate analysis.
- E6 = Concentration estimated. Internal standard recoveries did not meet method acceptance criteria.
- E7 = Concentration estimated. Internal standard recoveries did not meet laboratory acceptance criteria.
- E8 = Analyte reported to MDL per project specification. Target analyte was not detected in the sample.

Hold time:

- H1 = Sample analysis performed past holding time.
- H2 = Initial analysis within holding time. Reanalysis for the required dilution was past holding time.
- H3 = Sample was received and analyzed past holding time.
- H4 = Sample was extracted past required extraction holding time, but analyzed within analysis holding time.

BOD:

- K1 = The sample dilutions set-up for the BOD analysis did not meet the oxygen depletion criteria of at least 2 mg/L. Any reported result is an estimated value.
- K2 = The sample dilutions set up for the BOD analysis did not meet the criteria of a residual dissolved oxygen of at least 1 mg/L. Any reported result is an estimated value.
- K4 = The seed depletion was outside the method acceptance limits. The reported result is an estimated value.
- K5 = The dilution water D.O. depletion was > 0.2 mg/L.
- K6 = Glucose/glutamic acid BOD was below method acceptance criteria.
- K7 = A discrepancy between the BOD and COD results has been verified by reanalysis of the sample for COD.
- K8 = Glucose/glutamic acid BOD was above method acceptance levels.

Laboratory fortified blank/blank spike:

- L1 = The associated blank spike recovery was above laboratory acceptance limits.
- L2 = The associated blank spike recovery was below laboratory acceptance limits.
- L3 = The associated blank spike recovery was above method acceptance limits.
- L4 = The associated blank spike recovery was below method acceptance limits.

Matrix spike:

- M1 = Matrix spike recovery was high, the method control sample recovery was acceptable.
- M2 = Matrix spike recovery was low, the method control sample recovery was acceptable.
- M3 = The accuracy of the spike recovery value is reduced since the analyte concentration in the sample is disproportionate to spike level. The method control sample recovery was acceptable.
- M4 = The analysis of the spiked sample required a dilution such that the spike concentration was diluted below the reporting limit. The method control sample recovery was acceptable.
- M5 = Analyte concentration was determined by the method of standard addition (MSA).

Arizona Data Qualifiers

Revision 2.0, 11/26/2003

M6 = Matrix spike recovery was high. Data reported per ADEQ policy 0154.000.

M7 = Matrix spike recovery was low. Data reported per ADEQ policy 0154.000.

General:

N1 = See case narrative.

N2 = See corrective action report.

N3 = The analysis meets all method requirements. See case narrative.

Sample quality:

Q1 = Sample integrity was not maintained. See case narrative.

Q2 = Sample received with headspace.

Q3 = Sample received with improper chemical preservation.

Q4 = Sample received and analyzed without chemical preservation.

Q5 = Sample received with inadequate chemical preservation, but preserved by the laboratory.

Q6 = Sample was received above recommended temperature.

Q7 = Sample inadequately dechlorinated.

Q8 = Insufficient sample received to meet method QC requirements. Batch QC requirements satisfies ADEQ policies 0154 and 0155.

Q9 = Insufficient sample received to meet method QC requirements.

Q10 = Sample received in inappropriate sample container.

Q11 = Sample is heterogeneous. Sample homogeneity could not be readily achieved using routine laboratory practices.

Duplicates:

R1 = RPD exceeded the method control limit. See case narrative.

R2 = RPD exceeded the laboratory control limit. See case narrative.

R4 = MS/MSD RPD exceeded the method control limit. Recovery met acceptance criteria.

R5 = MS/MSD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.

R6 = LFB/LFBD RPD exceeded the method control limit. Recovery met acceptance criteria.

R7 = LFB/LFBD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.

R8 = Sample RPD exceeded the method control limit.

R9 = Sample RPD exceeded the laboratory control limit.

R10 = Sample RPD between the primary and confirmatory analysis exceeded 40%. Per EPA Method 8000B, the lower value was reported due to apparent chromatographic problems.

R11 = The RPD calculation for MS/MSD does not provide useful information due to the varying sample weights when Encore samplers/methanol field preserved samples are used.

Surrogate:

S1 = Surrogate recovery was above laboratory acceptance limits, but within method acceptance limits.

S3 = Surrogate recovery was above laboratory acceptance limits, but within method acceptance limits. No target analytes were detected in the sample.

S4 = Surrogate recovery was above laboratory and method acceptance limits. No target analytes were detected in the sample.

S5 = Surrogate recovery was below laboratory acceptance limits, but within method acceptance limits.

S6 = Surrogate recovery was below laboratory and method acceptance limits. Reextraction and/or reanalysis confirms low recovery caused by matrix effect.

Arizona Data Qualifiers

Revision 2.0, 11/26/2003

- S7 = Surrogate recovery was below laboratory and method acceptance limits. Unable to confirm matrix effect.
- S8 = The analysis of the sample required a dilution such that the surrogate recovery calculation does not provide any useful information. The method control sample recovery was acceptable.
- S10 = Surrogate recovery was above laboratory and method acceptance limits. See Case narrative.
- S11 = Surrogate recovery was high. Data reported per ADEQ policy 0154.000.
- S12 = Surrogate recovery was low. Data reported per ADEQ policy 0154.000.

Method/analyte discrepancies:

- T1 = Method approved by EPA, but not yet licensed by ADHS.
- T2 = Cited ADHS licensed method does not contain this analyte as part of method compound list.
- T3 = Method not promulgated either by EPA or ADHS.
- T4 = Tentatively identified compound. Concentration is estimated and based on the closest internal standard.

Calibration verification:

- V1 = CCV recovery was above method acceptance limits. This target analyte was not detected in the sample.
- V2 = CCV recovery was above method acceptance limits. This target analyte was detected in the sample. The sample could not be reanalyzed due to insufficient sample.
- V3 = CCV recovery was above method acceptance limits. This target analyte was detected in the sample, but the sample was not reanalyzed. See case narrative.
- V4 = CCV recovery was below method acceptance limits. The sample could not be reanalyzed due to insufficient sample.
- V5 = CCV recovery after a group of samples was above acceptance limits. This target analyte was not detected in the sample. Acceptable per EPA Method 8000B.
- V6 = Data reported from one-point calibration criteria per ADEQ policy 0155.000.
- V7 = Calibration verification recovery was above the method control limit for this analyte, however the average % difference or % drift for all the analytes met method criteria.
- V8 = Calibration verification recovery was below the method control limit for this analyte, however the average % difference or % drift for all the analytes met method criteria.

Calibration:

- W1 = The % RSD for this compound was above 20%. The average % RSD for all compounds in the calibration met the 20% criteria as specified in EPA method 8000B.
- W2 = The % RSD for this compound was above 15%. The average % RSD for all compounds in the calibration met the 15% criteria as specified in EPA method 8260B/8270C.

Client:
Project: Sky Harbor/2959482

Service Request: D0602003

SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
D0602003-001	ASE-106A-6D2	12/07/06	08:20
D0602003-002	ASE-107A-6D2	12/07/06	02:43
D0602003-003	ASE-113A-6D2	12/07/06	01:57
D0602003-004	ASE-114A-6D2	12/07/06	03:45
D0602003-005	ASE-122A-6D2	12/07/06	08:55
D0602003-006	ASE-124A-6D2	12/07/06	05:59
D0602003-007	ASE-125A-6D2	12/07/06	00:00
D0602003-008	ASE-128A-6D2	12/07/06	04:27
D0602003-009	ASE-95A-6D2	12/07/06	06:42
D0602003-010	ASE-96A-6D2	12/07/06	01:18
D0602003-011	ASE-98A-6D2	12/07/06	06:40
D0602003-012	ASE-99A-6D2	12/07/06	05:08
D0602003-013	PL-501-6D2	12/06/06	22:18
D0602003-014	PL-502-6D2	12/07/06	09:05
D0602003-015	TB-120606	12/06/06	22:25
D0602003-016	ASE-109A-6D2	12/07/06	09:52
D0602003-017	ASE-123A-6D2	12/07/06	10:32

CASE NARRATIVE

COLUMBIA ANALYTICAL SERVICES, INC.

Client: Honeywell International, Incorporated
Project: Sky Harbor
Sample Matrix: Aqueous

Service Request No.: D0602003
Date Received: 12/08/06

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier II data deliverables.

Sample Receipt

17 Aqueous samples were received for analysis at Columbia Analytical Services on 12/08/06.

No discrepancies were noted upon initial sample inspection. The samples were received in good condition and consistent with the accompanying chain of custody form. The samples were stored in a refrigerator at 4 degrees Celsius upon receipt at the laboratory.

TPH-Diesel/Motor Oil by EPA Method 8015B

No anomalies associated with the analysis of these samples were observed.

Volatile Organic Compounds by EPA Method 8260B

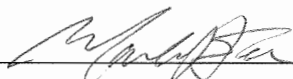
Elevated Method Reporting Limits:

Samples ASE-106-6D2, ASE95A-6D2 and ASE96A-6D2 required dilution due to the presence of elevated levels of target analytes. The reporting limits are adjusted to reflect the dilution.

Polynuclear Aromatic Hydrocarbons by EPA Method 8310

No anomalies associated with the analysis of these samples were observed.

Approved by: _____



Date: _____

12/27/06

CHAIN OF CUSTODY DOCUMENTATION

Transwest Geochem

3725 E Atlanta Ave
Phoenix, AZ 85040
Phone 602-437-0330

Chain Of Custody / Analysis Request

Page 1 of 1

Lab Use Only

Project No:

Client Contact: (name, co., address)

Jennifer Holland

CH2M HILL

2625 South Plaza Dr STE 300

Tempe, AZ 85282

480-377-6287

Sampler: M. Wiese

Project Number: 2959460

Analysis Turnaround Time:

24 Hour - ☐

7 Day - ☐

14 Day - ☐

21 Day - ☐

28 Day - ☐

Site Name: Sky Harbor AZ

Location of Site: Phoenix, AZ

Job No.

Lab Sample Numbers

Sample Identification

Field Sample ID

Location ID

Sample Date

Sample Time

Sample Type

Matrix

of Cont.

Preservation Used

Use for MS / MSD

Filtered Sample

Unfiltered Sample

SW8015M

SW8260

SW8310

Lab Sample Numbers

1 ASE-106A

ASE-106A-6D2

Dec 7 2006

0820

GW

WATER

5

1 ASE-107A

ASE-107A-6D2

Dec 7 2006

0243

GW

WATER

5

1 ASE-110A

ASE-110A-6D2

Dec 7 2006

0157

GW

WATER

5

1 ASE-113A

ASE-113A-6D2

Dec 7 2006

0345

GW

WATER

5

1 ASE-114A

ASE-114A-6D2

Dec 7 2006

0835

GW

WATER

7

1 ASE-122A

ASE-122A-6D2

Dec 7 2006

0559

GW

WATER

7

1 ASE-124A

ASE-124A-6D2

Dec 7 2006

2430

GW

WATER

7

1 ASE-125A

ASE-125A-6D2

Dec 7 2006

0427

GW

WATER

7

1 ASE-128A

ASE-128A-6D2

Dec 7 2006

0142

GW

WATER

5

1 ASE-95A

ASE-95A-6D2

Dec 7 2006

0118

GW

WATER

5

1 ASE-98A

ASE-98A-6D2

Dec 7 2006

0640

GW

WATER

5

1 ASE-99A

ASE-99A-6D2

Dec 7 2006

2218

BLKWATER

WATER

3

1 EQUIPBLANK

PL-501-6D2

Dec 7 2006

0905

GW

WATER

7

1 FIELDQC

PL-502-6D2

Dec 6 2006

2225

BLKWATER

WATER

3

1 Trip Blank

TB-120606

Dec 6 2006

0952

GW

WTR

5

1 ASE-109A

ASE-109A-6D2

Dec 7 2006

1032

GW

WTR

7

1 ASE-123A

ASE-123A-6D2

Dec 7 2006

1032

GW

WTR

7

19

20

21

22

23

Special Instructions: Standard TAT 10 days.

Relinquished by:

Relinquished by:

Relinquished by:

Company: Hargis + Assoc.

Company: TGT

Company:

Received by:

Received by:

Received by:

Date/Time: 12/6/06 1138

Date/Time: 12/7/06 10135

Date/Time: 12/8/06 0831

Company: TGT

Company: WPS

Company: WPS

COOLER RECEIPT FORM

Project/Client: Honeywell Batch No. [REDACTED]
1. Cooler(s)/Sample(s) received on: 12/8/06 Shipped via: UPS
Shipping Bill # (s): VARIOUS # of Coolers/Packages 7
2. Radiological Screening by: TR Acceptable Rejected
3. Custody seals on outside of cooler: YES NO N/A
If yes, where? Front X Rear X Lt Side X Rt Side X
Seals intact: YES NO

COOLER/SAMPLE PROCESSING

4. Sample Processing/Tagging by: Sammy Reed
5. Cooler(s)/Sample(s) Temp's: 3°C 4°C 3°C 2°C 2°C
(or) 2°C 3°C
Temp. Blank (if included):
6. Type of packing material (circle): Ice Blue Ice Bubble Wrap Bubble Bags Zip Locks Webbing
Other:
7. Custody papers properly filled out (ink, signed, dated, released, etc.)? YES NO
8. Containers arrived in good condition (not broken, leaking, etc.)? YES NO
9. Samples received with adequate holding time remaining to conduct analysis? YES NO
10. Container labels complete (i.e. analysis, preservation, date/time, etc.)? YES NO
11. Container labels and tags agree with custody papers? YES NO
12. Correct types of containers used for the tests indicated? YES NO
a.) Adequate sample received? If not, note on Exception Report. YES NO
13. Containers supplied by: CAS Other
14. Preserved containers received with the appropriate preservative? YES NO N/A
pH: VOAS @ <2 per DOCS (or) See pH log.
15. VOA vials free of air bubbles? YES NO N/A
16. Trip Blank preparation date: 12/10/06 CAS Other N/A
17. Volatile Soil samples: Encores or Plugs in Vials
Freezer or GC/MS Date: Time: N/A

See Exception Report for discrepancies.

TPH – Diesel and Motor Oil

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482

Service Request: D0602003

Cover Page - Organic Analysis Data Package
TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name	Lab Code	Date Collected	Date Received
ASE-106A-6D2	D0602003-001	12/07/2006	12/08/2006
ASE-107A-6D2	D0602003-002	12/07/2006	12/08/2006
ASE-113A-6D2	D0602003-003	12/07/2006	12/08/2006
ASE-114A-6D2	D0602003-004	12/07/2006	12/08/2006
ASE-122A-6D2	D0602003-005	12/07/2006	12/08/2006
ASE-124A-6D2	D0602003-006	12/07/2006	12/08/2006
ASE-125A-6D2	D0602003-007	12/07/2006	12/08/2006
ASE-128A-6D2	D0602003-008	12/07/2006	12/08/2006
ASE-95A-6D2	D0602003-009	12/07/2006	12/08/2006
ASE-96A-6D2	D0602003-010	12/07/2006	12/08/2006
ASE-98A-6D2	D0602003-011	12/07/2006	12/08/2006
ASE-99A-6D2	D0602003-012	12/07/2006	12/08/2006
PL-502-6D2	D0602003-014	12/07/2006	12/08/2006
ASE-109A-6D2	D0602003-016	12/07/2006	12/08/2006
ASE-123A-6D2	D0602003-017	12/07/2006	12/08/2006

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Wida Ang

Name: WIDA ANG

Date: 12/20/06

Title: Organic Manager

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602003
Date Collected: 12/07/2006
Date Received: 12/08/2006

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: ASE-106A-6D2
Lab Code: D0602003-001
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	PQL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
C10 - C22 DRO (TPH-Diesel)	31	J	480	20	1	12/12/06	12/19/06	E4
C22 - C32 HRO (TPH-Motor Oil)	62	J	480	30	1	12/12/06	12/19/06	E4

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Octacosane	103	26-152	12/19/06	
Tricontane	101	40-140	12/19/06	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602003
Date Collected: 12/07/2006
Date Received: 12/08/2006

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: ASE-107A-6D2
Lab Code: D0602003-002
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	PQL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
C10 - C22 DRO (TPH-Diesel)	240	J	500	20	1	12/12/06	12/19/06	E4
C22 - C32 HRO (TPH-Motor Oil)	38	J	500	30	1	12/12/06	12/19/06	E4

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Octacosane	99	26-152	12/19/06	
Tricontane	98	40-140	12/19/06	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602003
Date Collected: 12/07/2006
Date Received: 12/08/2006

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: ASE-113A-6D2
Lab Code: D0602003-003
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	PQL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
C10 - C22 DRO (TPH-Diesel)	ND	U	490	20	1	12/12/06	12/19/06	
C22 - C32 HRO (TPH-Motor Oil)	ND	U	490	30	1	12/12/06	12/19/06	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Octacosane	93	26-152	12/19/06	
Tricontane	92	40-140	12/19/06	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602003
Date Collected: 12/07/2006
Date Received: 12/08/2006

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: ASE-114A-6D2
Lab Code: D0602003-004
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	PQL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
C10 - C22 DRO (TPH-Diesel)	21	J	500	20	1	12/12/06	12/19/06	E4
C22 - C32 HRO (TPH-Motor Oil)	41	J	500	30	1	12/12/06	12/19/06	E4

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Octacosane	88	26-152	12/19/06	
Tricontane	86	40-140	12/19/06	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602003
Date Collected: 12/07/2006
Date Received: 12/08/2006

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: ASE-122A-6D2
Lab Code: D0602003-005
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	PQL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
C10 - C22 DRO (TPH-Diesel)	ND	U	480	20	1	12/12/06	12/19/06	
C22 - C32 HRO (TPH-Motor Oil)	32	J	480	30	1	12/12/06	12/19/06	E4

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Octacosane	99	26-152	12/19/06	
Tricontane	98	40-140	12/19/06	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602003
Date Collected: 12/07/2006
Date Received: 12/08/2006

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: ASE-124A-6D2
Lab Code: D0602003-006
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	PQL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
C10 - C22 DRO (TPH-Diesel)	ND	U	500	20	1	12/12/06	12/19/06	
C22 - C32 HRO (TPH-Motor Oil)	ND	U	500	30	1	12/12/06	12/19/06	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Octacosane	103	26-152	12/19/06	
Tricontane	101	40-140	12/19/06	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602003
Date Collected: 12/07/2006
Date Received: 12/08/2006

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: ASE-125A-6D2
Lab Code: D0602003-007
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	PQL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
C10 - C22 DRO (TPH-Diesel)	ND	U	490	20	1	12/12/06	12/20/06	
C22 - C32 HRO (TPH-Motor Oil)	ND	U	490	30	1	12/12/06	12/20/06	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Octacosane	89	26-152	12/20/06	
Tricontane	88	40-140	12/20/06	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602003
Date Collected: 12/07/2006
Date Received: 12/08/2006

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: ASE-128A-6D2
Lab Code: D0602003-008
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	PQL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
C10 - C22 DRO (TPH-Diesel)	20	J	490	20	1	12/12/06	12/20/06	E4
C22 - C32 HRO (TPH-Motor Oil)	ND	U	490	30	1	12/12/06	12/20/06	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Octacosane	102	26-152	12/20/06	
Tricontane	100	40-140	12/20/06	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602003
Date Collected: 12/07/2006
Date Received: 12/08/2006

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: ASE-95A-6D2
Lab Code: D0602003-009
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	PQL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
C10 - C22 DRO (TPH-Diesel)	59	J	490	20	1	12/12/06	12/20/06	E4
C22 - C32 HRO (TPH-Motor Oil)	39	J	490	30	1	12/12/06	12/20/06	E4

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Octacosane	96	26-152	12/20/06	
Tricontane	94	40-140	12/20/06	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602003
Date Collected: 12/07/2006
Date Received: 12/08/2006

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: ASE-96A-6D2
Lab Code: D0602003-010
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	PQL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
C10 - C22 DRO (TPH-Diesel)	30	J	490	20	1	12/12/06	12/20/06	E4
C22 - C32 HRO (TPH-Motor Oil)	55	J	490	30	1	12/12/06	12/20/06	E4

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Octacosane	98	26-152	12/20/06	
Tricontane	97	40-140	12/20/06	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602003
Date Collected: 12/07/2006
Date Received: 12/08/2006

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: ASE-98A-6D2
Lab Code: D0602003-011
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	PQL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
C10 - C22 DRO (TPH-Diesel)	ND	U	490	20	1	12/12/06	12/20/06	
C22 - C32 HRO (TPH-Motor Oil)	36	J	490	30	1	12/12/06	12/20/06	E4

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Octacosane	98	26-152	12/20/06	
Tricontane	96	40-140	12/20/06	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602003
Date Collected: 12/07/2006
Date Received: 12/08/2006

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: ASE-99A-6D2
Lab Code: D0602003-012
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	PQL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
C10 - C22 DRO (TPH-Diesel)	ND	U	490	20	1	12/12/06	12/20/06	
C22 - C32 HRO (TPH-Motor Oil)	ND	U	490	30	1	12/12/06	12/20/06	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Octacosane	105	26-152	12/20/06	
Tricontane	103	40-140	12/20/06	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602003
Date Collected: 12/07/2006
Date Received: 12/08/2006

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: PL-502-6D2
Lab Code: D0602003-014
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	PQL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
C10 - C22 DRO (TPH-Diesel)	ND	U	480	20	1	12/12/06	12/20/06	
C22 - C32 HRO (TPH-Motor Oil)	34	J	480	30	1	12/12/06	12/20/06	E4

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Octacosane	95	26-152	12/20/06	
Tricontane	93	40-140	12/20/06	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602003
Date Collected: 12/07/2006
Date Received: 12/08/2006

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: ASE-109A-6D2
Lab Code: D0602003-016
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	PQL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
C10 - C22 DRO (TPH-Diesel)	ND	U	480	20	1	12/12/06	12/20/06	
C22 - C32 HRO (TPH-Motor Oil)	ND	U	480	30	1	12/12/06	12/20/06	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Octacosane	88	26-152	12/20/06	
Tricontane	87	40-140	12/20/06	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602003
Date Collected: 12/07/2006
Date Received: 12/08/2006

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: ASE-123A-6D2
Lab Code: D0602003-017
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	PQL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
C10 - C22 DRO (TPH-Diesel)	ND	U	480	20	1	12/12/06	12/20/06	
C22 - C32 HRO (TPH-Motor Oil)	39	J	480	30	1	12/12/06	12/20/06	E4

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Octacosane	87	26-152	12/20/06	
Tricontane	85	40-140	12/20/06	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602003
Date Collected: NA
Date Received: NA

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: Method Blank
Lab Code: DWG0601047-3

Units: ug/L

Basis: NA

Extraction Method: EPA 3510C

Level: Low

Analysis Method: 8015B

Analyte Name	Result	Q	PQL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
C10 - C22 DRO (TPH-Diesel)	ND	U	500	20	1	12/12/06	12/19/06	
C22 - C32 HRO (TPH-Motor Oil)	ND	U	500	30	1	12/12/06	12/19/06	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Octacosane	67	26-152	12/19/06	
Tricontane	66	40-140	12/19/06	

Comments: _____

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602003

Surrogate Recovery Summary
TPH-Diesel / Motor Oil Range Organics by SW8015B

Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: PERCENT
Level: Low

<u>Sample Name</u>	<u>Lab Code</u>	<u>Sur1</u>	<u>Sur2</u>
ASE-106A-6D2	D0602003-001	103	101
ASE-107A-6D2	D0602003-002	99	98
ASE-113A-6D2	D0602003-003	93	92
ASE-114A-6D2	D0602003-004	88	86
ASE-122A-6D2	D0602003-005	99	98
ASE-124A-6D2	D0602003-006	103	101
ASE-125A-6D2	D0602003-007	89	88
ASE-128A-6D2	D0602003-008	102	100
ASE-95A-6D2	D0602003-009	96	94
ASE-96A-6D2	D0602003-010	98	97
ASE-98A-6D2	D0602003-011	98	96
ASE-99A-6D2	D0602003-012	105	103
PL-502-6D2	D0602003-014	95	93
ASE-109A-6D2	D0602003-016	88	87
ASE-123A-6D2	D0602003-017	87	85
Method Blank	DWG0601047-3	67	66
Lab Control Sample	DWG0601047-1	130	128
Duplicate Lab Control Sample	DWG0601047-2	113	111

Surrogate Recovery Control Limits (%)

Sur1 = Octacosane	26-152
Sur2 = Tricontane	40-140

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602003
Date Extracted: 12/12/2006
Date Analyzed: 12/19/2006

Lab Control Spike/Duplicate Lab Control Spike Summary
TPH-Diesel / Motor Oil Range Organics by SW8015B

Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: DWG0601047

Analyte Name	Lab Control Sample DWG0601047-1 Lab Control Spike			Duplicate Lab Control Sample DWG0601047-2 Duplicate Lab Control Spike			%Rec Limits	RPD	RPD Limit
	Result	Expected	%Rec	Result	Expected	%Rec			
C10 - C22 DRO (TPH-Diesel)	2180	2500	87	1910	2500	76	61-143	13	30
C22 - C32 HRO (TPH-Motor Oil)	2530	2500	101	2210	2500	88	60-120	13	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Volatile Organics By GC/MS

ORGANIC ANALYSES DATA PACKAGE

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Base/Command: ARIZONA DELIVERABLES

Project: Sky Harbor

Field Sample ID

Lab Sample ID

ASE-106A-6D2
ASE-107A-6D2
ASE-113A-6D2
ASE-114A-6D2
ASE-122A-6D2
ASE-124A-6D2
ASE-125A-6D2
ASE-128A-6D2
ASE-95A-6D2
ASE-96A-6D2
ASE-98A-6D2
ASE-99A-6D2
PL-501-6D2
PL-502-6D2
TB-120606
ASE-109A-6D2
ASE-123A-6D2

D0602003-001
D0602003-002
D0602003-003
D0602003-004
D0602003-005
D0602003-006
D0602003-007
D0602003-008
D0602003-009
D0602003-010
D0602003-011
D0602003-012
D0602003-013
D0602003-014
D0602003-015
D0602003-016
D0602003-017

Comments:

I certify this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Brian Moore

Name: Brian Moore

Date: 12/14/06

Title: Technical Manager

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-106A-6D2

Lab Sample ID: D0602003-001

Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/08/06

Date Extracted:

Date Analyzed: 12/11/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	ND	1		
Vinyl chloride	0.22	1.0	0.46	1		E4
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	0.68	1		E4
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	0.29	1		E4
Acetone	1.0	20	ND	1		
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	250	1		
1,1-Dichloroethane	0.12	2.0	0.87	1		E4
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	0.42	1		E4
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	ND	1		
1,1,1-Trichloroethane	0.14	2.0	ND	1		
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	0.36	1		E4
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	0.37	1		E4
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	ND	1		
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	ND	1		
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-106A-6D2

Lab Sample ID: D0602003-001 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/08/06

Date Extracted:

Date Analyzed: 12/11/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	0.91	1		E4
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	ND	1		
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	ND	1		
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	ND	1		
Xylene (total)	0.14	10	ND	1		
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	ND	1		
Isopropylbenzene	0.17	2.0	ND	1		
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	ND	1		
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	ND	1		
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	ND	1		
1,2,4-Trimethylbenzene	0.13	2.0	ND	1		
sec-Butylbenzene	0.17	5.0	ND	1		
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	ND	1		
1,4-Dichlorobenzene	0.11	1.0	ND	1		
n-Butylbenzene	0.33	5.0	ND	1		
1,2-Dichlorobenzene	0.14	1.0	ND	1		
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		
Naphthalene	0.29	2.0	ND	1		
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A

Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2

RESULTS

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-106A-6D2

Lab Sample ID: D0602003-001 Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/08/06

Date Extracted:

Date Analyzed: 12/11/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	100	82-124	
Dibromofluoromethane - SS	100	84-127	
Toluene-d8 - SS	100	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-106A-6D2DL

Lab Sample ID: D0602003-001DL Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/08/06

Date Extracted:

Date Analyzed: 12/11/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	3.6	50	ND	10		D2
Chloromethane	2.3	50	ND	10		D2
Vinyl chloride	2.2	10	ND	10		D2
Bromomethane	2.7	10	ND	10		D2
Chloroethane	2.0	50	ND	10		D2
Trichlorofluoromethane	1.4	50	ND	10		D2
1,1-Dichloroethene	1.9	20	ND	10		D2
Acetone	10	200	ND	10		D2
Carbon disulfide	1.1	50	ND	10		D2
Methylene chloride	1.5	50	ND	10		D2
Iodomethane	2.0	100	ND	10		D2
trans-1,2-Dichloroethene	1.6	20	ND	10		D2
Tert-butylmethylether	1.7	10	370	10		D2
1,1-Dichloroethane	1.2	20	ND	10		D2
Vinyl acetate	8.4	250	ND	10		D2
2,2-Dichloropropane	3.3	20	ND	10		D2
cis-1,2-Dichloroethene	1.7	20	ND	10		D2
2-Butanone	9.0	100	ND	10		D2
Bromochloromethane	2.5	50	ND	10		D2
Chloroform	1.4	20	ND	10		D2
1,1,1-Trichloroethane	1.4	20	ND	10		D2
1,1-Dichloropropene	1.8	20	ND	10		D2
Carbon tetrachloride	1.8	20	ND	10		D2
Benzene	1.2	10	ND	10		D2
1,2-Dichloroethane	1.8	10	ND	10		D2
Trichloroethene	1.0	10	ND	10		D2
1,2-Dichloropropane	1.7	20	ND	10		D2
Dibromomethane	1.8	20	ND	10		D2
Bromodichloromethane	1.7	10	ND	10		D2
cis-1,3-Dichloropropene	1.3	20	ND	10		D2
4-methyl-2-pentanone	8.5	100	ND	10		D2
Toluene	1.4	20	ND	10		D2
trans-1,3-Dichloropropene	1.9	20	ND	10		D2

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-106A-6D2DL

Lab Sample ID: D0602003-001DL Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/08/06

Date Extracted:

Date Analyzed: 12/11/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	2.2	10	ND	10		D2
Tetrachloroethene	2.2	10	ND	10		D2
1,3-Dichloropropane	1.1	20	ND	10		D2
2-Hexanone	5.8	100	ND	10		D2
Dibromochloromethane	1.5	20	ND	10		D2
1,2-Dibromoethane	1.5	20	ND	10		D2
Chlorobenzene	1.5	10	ND	10		D2
1,1,1,2-Tetrachloroethane	2.3	50	ND	10		D2
Ethylbenzene	1.5	20	ND	10		D2
Xylene (total)	1.4	100	ND	10		D2
Styrene	1.6	20	ND	10		D2
Bromoform	1.8	50	ND	10		D2
Isopropylbenzene	1.7	20	ND	10		D2
1,1,2,2-Tetrachloroethane	1.7	10	ND	10		D2
Bromobenzene	1.7	50	ND	10		D2
1,2,3-Trichloropropane	2.0	100	ND	10		D2
n-Propylbenzene	1.3	20	ND	10		D2
2-Chlorotoluene	1.6	50	ND	10		D2
1,3,5-Trimethylbenzene	1.5	20	ND	10		D2
4-Chlorotoluene	1.6	50	ND	10		D2
tert-Butylbenzene	1.8	50	ND	10		D2
1,2,4-Trimethylbenzene	1.3	20	ND	10		D2
sec-Butylbenzene	1.7	50	ND	10		D2
1,3-Dichlorobenzene	1.1	10	ND	10		D2
p-Isopropyltoluene	1.0	20	ND	10		D2
1,4-Dichlorobenzene	1.1	10	ND	10		D2
n-Butylbenzene	3.3	50	ND	10		D2
1,2-Dichlorobenzene	1.4	10	ND	10		D2
1,2-Dibromo-3-chloropropane	8.1	50	ND	10		D2
1,2,4-Trichlorobenzene	3.6	50	ND	10		D2
Hexachlorobutadiene	6.0	10	ND	10		D2
Naphthalene	2.9	20	ND	10		D2
1,2,3-Trichlorobenzene	3.7	50	ND	10		D2

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-106A-6D2DL

Lab Sample ID: D0602003-001DL Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/08/06

Date Extracted:

Date Analyzed: 12/11/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	102	82-124	
Dibromofluoromethane - SS	101	84-127	
Toluene-d8 - SS	100	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-107A-6D2

Lab Sample ID: D0602003-002

Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/08/06

Date Extracted:

Date Analyzed: 12/11/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	ND	1		
Vinyl chloride	0.22	1.0	ND	1		
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	ND	1		
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	0.56	1		E4
Acetone	1.0	20	1.1	1		E4
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	14	1		
1,1-Dichloroethane	0.12	2.0	0.58	1		E4
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	ND	1		
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	0.22	1		E4
1,1,1-Trichloroethane	0.14	2.0	ND	1		
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	15	1		
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	0.47	1		E4
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	ND	1		
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	ND	1		
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-107A-6D2

Lab Sample ID: D0602003-002

Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/08/06

Date Extracted:

Date Analyzed: 12/11/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	1.2	1		
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	ND	1		
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	2.9	1		
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	2.7	1		
Xylene (total)	0.14	10	2.3	1		E4
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	ND	1		
Isopropylbenzene	0.17	2.0	7.0	1		
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	4.9	1		
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	ND	1		
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	0.36	1		E4
1,2,4-Trimethylbenzene	0.13	2.0	2.0	1		
sec-Butylbenzene	0.17	5.0	4.4	1		E4
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	0.84	1		E4
1,4-Dichlorobenzene	0.11	1.0	0.44	1		E4
n-Butylbenzene	0.33	5.0	1.6	1		E4
1,2-Dichlorobenzene	0.14	1.0	0.18	1		E4
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		
Naphthalene	0.29	2.0	13	1		
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A

Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2

RESULTS

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-107A-6D2

Lab Sample ID: D0602003-002 Matrix: Water

Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/08/06

Date Extracted:

Date Analyzed: 12/11/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Sample Volume: 5.000 ML

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	99	82-124	
Dibromofluoromethane - SS	99	84-127	
Toluene-d8 - SS	98	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-113A-6D2

Lab Sample ID: D0602003-003

Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/08/06

Date Extracted: _____

Date Analyzed: 12/11/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	ND	1		
Vinyl chloride	0.22	1.0	ND	1		
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	ND	1		
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	0.81	1		E4
Acetone	1.0	20	ND	1		
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	ND	1		
1,1-Dichloroethane	0.12	2.0	0.20	1		E4
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	ND	1		
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	0.27	1		E4
1,1,1-Trichloroethane	0.14	2.0	ND	1		
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	ND	1		
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	0.58	1		E4
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	ND	1		
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	0.16	1		E4
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-113A-6D2

Lab Sample ID: D0602003-003 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/08/06

Date Extracted:

Date Analyzed: 12/11/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	1.8	1		
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	ND	1		
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	0.27	1		E4
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	ND	1		
Xylene (total)	0.14	10	ND	1		
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	ND	1		
Isopropylbenzene	0.17	2.0	ND	1		
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	ND	1		
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	ND	1		
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	ND	1		
1,2,4-Trimethylbenzene	0.13	2.0	ND	1		
sec-Butylbenzene	0.17	5.0	ND	1		
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	ND	1		
1,4-Dichlorobenzene	0.11	1.0	0.13	1		E4
n-Butylbenzene	0.33	5.0	ND	1		
1,2-Dichlorobenzene	0.14	1.0	ND	1		
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		
Naphthalene	0.29	2.0	ND	1		
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A

Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-113A-6D2

Lab Sample ID: D0602003-003 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/08/06

Date Extracted:

Date Analyzed: 12/11/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	99	82-124	
Dibromofluoromethane - SS	98	84-127	
Toluene-d8 - SS	99	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-114A-6D2

Lab Sample ID: D0602003-004

Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/08/06

Date Extracted:

Date Analyzed: 12/11/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	ND	1		
Vinyl chloride	0.22	1.0	ND	1		
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	ND	1		
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	0.93	1		E4
Acetone	1.0	20	ND	1		
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	ND	1		
1,1-Dichloroethane	0.12	2.0	0.23	1		E4
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	ND	1		
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	0.33	1		E4
1,1,1-Trichloroethane	0.14	2.0	ND	1		
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	ND	1		
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	0.72	1		E4
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	ND	1		
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	0.16	1		E4
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-114A-6D2

Lab Sample ID: D0602003-004

Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/08/06

Date Extracted: _____

Date Analyzed: 12/11/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	2.0	1		
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	ND	1		
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	0.17	1		E4
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	ND	1		
Xylene (total)	0.14	10	ND	1		
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	ND	1		
Isopropylbenzene	0.17	2.0	0.25	1		E4
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	0.28	1		E4
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	ND	1		
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	ND	1		
1,2,4-Trimethylbenzene	0.13	2.0	ND	1		
sec-Butylbenzene	0.17	5.0	0.36	1		E4
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	ND	1		
1,4-Dichlorobenzene	0.11	1.0	ND	1		
n-Butylbenzene	0.33	5.0	ND	1		
1,2-Dichlorobenzene	0.14	1.0	ND	1		
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		
Naphthalene	0.29	2.0	0.52	1		E4
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2

RESULTS

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-114A-6D2

Lab Sample ID: D0602003-004 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/08/06

Date Extracted:

Date Analyzed: 12/11/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	98	82-124	
Dibromofluoromethane - SS	98	84-127	
Toluene-d8 - SS	99	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-122A-6D2

Lab Sample ID: D0602003-005

Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/08/06

Date Extracted:

Date Analyzed: 12/11/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	ND	1		
Vinyl chloride	0.22	1.0	ND	1		
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	ND	1		
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	0.63	1		E4
Acetone	1.0	20	ND	1		
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	ND	1		
1,1-Dichloroethane	0.12	2.0	0.15	1		E4
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	ND	1		
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	0.25	1		E4
1,1,1-Trichloroethane	0.14	2.0	ND	1		
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	ND	1		
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	0.43	1		E4
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	ND	1		
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	0.16	1		E4
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-122A-6D2

Lab Sample ID: D0602003-005

Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/08/06

Date Extracted: _____

Date Analyzed: 12/11/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	1.4	1		
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	ND	1		
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	0.16	1		E4
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	ND	1		
Xylene (total)	0.14	10	ND	1		
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	ND	1		
Isopropylbenzene	0.17	2.0	ND	1		
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	ND	1		
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	ND	1		
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	ND	1		
1,2,4-Trimethylbenzene	0.13	2.0	ND	1		
sec-Butylbenzene	0.17	5.0	ND	1		
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	ND	1		
1,4-Dichlorobenzene	0.11	1.0	ND	1		
n-Butylbenzene	0.33	5.0	ND	1		
1,2-Dichlorobenzene	0.14	1.0	ND	1		
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		
Naphthalene	0.29	2.0	ND	1		
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2

RESULTS

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-122A-6D2

Lab Sample ID: D0602003-005 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/08/06

Date Extracted:

Date Analyzed: 12/11/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	100	82-124	
Dibromofluoromethane - SS	100	84-127	
Toluene-d8 - SS	100	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-124A-6D2

Lab Sample ID: D0602003-006

Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/08/06

Date Extracted: _____

Date Analyzed: 12/11/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	ND	1		
Vinyl chloride	0.22	1.0	ND	1		
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	ND	1		
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	0.44	1		E4
Acetone	1.0	20	ND	1		
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	17	1		
1,1-Dichloroethane	0.12	2.0	2.8	1		
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	0.24	1		E4
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	ND	1		
1,1,1-Trichloroethane	0.14	2.0	ND	1		
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	ND	1		
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	0.56	1		E4
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	ND	1		
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	ND	1		
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-124A-6D2

Lab Sample ID: D0602003-006

Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/08/06

Date Extracted:

Date Analyzed: 12/11/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	0.92	1		E4
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	ND	1		
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	0.17	1		E4
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	ND	1		
Xylene (total)	0.14	10	ND	1		
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	ND	1		
Isopropylbenzene	0.17	2.0	ND	1		
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	ND	1		
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	ND	1		
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	ND	1		
1,2,4-Trimethylbenzene	0.13	2.0	ND	1		
sec-Butylbenzene	0.17	5.0	ND	1		
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	ND	1		
1,4-Dichlorobenzene	0.11	1.0	ND	1		
n-Butylbenzene	0.33	5.0	ND	1		
1,2-Dichlorobenzene	0.14	1.0	ND	1		
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		
Naphthalene	0.29	2.0	ND	1		
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2

RESULTS

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-124A-6D2

Lab Sample ID: D0602003-006 Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/08/06

Date Extracted:

Date Analyzed: 12/11/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	98	82-124	
Dibromofluoromethane - SS	100	84-127	
Toluene-d8 - SS	99	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-125A-6D2

Lab Sample ID: D0602003-007 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/08/06

Date Extracted:

Date Analyzed: 12/11/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	ND	1		
Vinyl chloride	0.22	1.0	ND	1		
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	ND	1		
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	0.22	1		E4
Acetone	1.0	20	ND	1		
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	0.19	1		E4
1,1-Dichloroethane	0.12	2.0	0.36	1		E4
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	ND	1		
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	0.25	1		E4
1,1,1-Trichloroethane	0.14	2.0	ND	1		
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	ND	1		
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	0.23	1		E4
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	ND	1		
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	0.28	1		E4
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-125A-6D2

Lab Sample ID: D0602003-007

Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/08/06

Date Extracted: _____

Date Analyzed: 12/11/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	1.1	1		
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	ND	1		
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	0.29	1		E4
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	ND	1		
Xylene (total)	0.14	10	ND	1		
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	ND	1		
Isopropylbenzene	0.17	2.0	ND	1		
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	ND	1		
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	ND	1		
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	ND	1		
1,2,4-Trimethylbenzene	0.13	2.0	ND	1		
sec-Butylbenzene	0.17	5.0	ND	1		
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	ND	1		
1,4-Dichlorobenzene	0.11	1.0	0.20	1		E4
n-Butylbenzene	0.33	5.0	ND	1		
1,2-Dichlorobenzene	0.14	1.0	ND	1		
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		
Naphthalene	0.29	2.0	ND	1		
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2

RESULTS

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Lab Sample ID: D0602003-007 Matrix: Water

Initial Calibration ID: 12/05/06MSM

Date Received: 12/08/06 Date Extracted: Date Analyzed: 12/11/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	99	82-124	
Dibromofluoromethane - SS	99	84-127	
Toluene-d8 - SS	99	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-128A-6D2

Lab Sample ID: D0602003-008

Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/08/06

Date Extracted:

Date Analyzed: 12/11/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	ND	1		
Vinyl chloride	0.22	1.0	ND	1		
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	ND	1		
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	ND	1		
Acetone	1.0	20	ND	1		
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	ND	1		
1,1-Dichloroethane	0.12	2.0	ND	1		
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	ND	1		
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	0.24	1		E4
1,1,1-Trichloroethane	0.14	2.0	ND	1		
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	ND	1		
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	ND	1		
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	ND	1		
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	ND	1		
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-128A-6D2

Lab Sample ID: D0602003-008

Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/08/06

Date Extracted:

Date Analyzed: 12/11/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	0.32	1		E4
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	ND	1		
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	0.17	1		E4
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	ND	1		
Xylene (total)	0.14	10	ND	1		
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	ND	1		
Isopropylbenzene	0.17	2.0	ND	1		
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	ND	1		
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	ND	1		
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	ND	1		
1,2,4-Trimethylbenzene	0.13	2.0	ND	1		
sec-Butylbenzene	0.17	5.0	ND	1		
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	ND	1		
1,4-Dichlorobenzene	0.11	1.0	ND	1		
n-Butylbenzene	0.33	5.0	ND	1		
1,2-Dichlorobenzene	0.14	1.0	ND	1		
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		
Naphthalene	0.29	2.0	ND	1		
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2

RESULTS

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-128A-6D2

Lab Sample ID: D0602003-008 Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/08/06

Date Extracted:

Date Analyzed: 12/11/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	101	82-124	
Dibromofluoromethane - SS	99	84-127	
Toluene-d8 - SS	99	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-95A-6D2

Lab Sample ID: D0602003-009

Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/08/06

Date Extracted: _____

Date Analyzed: 12/11/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	ND	1		
Vinyl chloride	0.22	1.0	0.70	1		E4
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	ND	1		
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	0.29	1		E4
Acetone	1.0	20	1.1	1		E4
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	160	1		
1,1-Dichloroethane	0.12	2.0	7.2	1		
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	0.27	1		E4
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	ND	1		
1,1,1-Trichloroethane	0.14	2.0	ND	1		
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	0.20	1		E4
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	0.25	1		E4
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	ND	1		
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	0.20	1		E4
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-95A-6D2

Lab Sample ID: D0602003-009 Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/08/06

Date Extracted: _____

Date Analyzed: 12/11/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	0.64	1		E4
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	ND	1		
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	0.27	1		E4
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	ND	1		
Xylene (total)	0.14	10	ND	1		
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	ND	1		
Isopropylbenzene	0.17	2.0	ND	1		
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	ND	1		
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	ND	1		
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	ND	1		
1,2,4-Trimethylbenzene	0.13	2.0	ND	1		
sec-Butylbenzene	0.17	5.0	0.21	1		E4
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	ND	1		
1,4-Dichlorobenzene	0.11	1.0	0.16	1		E4
n-Butylbenzene	0.33	5.0	ND	1		
1,2-Dichlorobenzene	0.14	1.0	ND	1		
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		
Naphthalene	0.29	2.0	ND	1		
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2

RESULTS

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-95A-6D2

Lab Sample ID: D0602003-009 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/08/06

Date Extracted:

Date Analyzed: 12/11/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	101	82-124	
Dibromofluoromethane - SS	96	84-127	
Toluene-d8 - SS	100	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-95A-6D2DL

Lab Sample ID: D0602003-009DL Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/08/06

Date Extracted:

Date Analyzed: 12/12/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	3.6	50	ND	10		D2
Chloromethane	2.3	50	ND	10		D2
Vinyl chloride	2.2	10	ND	10		D2
Bromomethane	2.7	10	ND	10		D2
Chloroethane	2.0	50	ND	10		D2
Trichlorofluoromethane	1.4	50	ND	10		D2
1,1-Dichloroethene	1.9	20	ND	10		D2
Acetone	10	200	11	10		D2E4
Carbon disulfide	1.1	50	ND	10		D2
Methylene chloride	1.5	50	ND	10		D2
Iodomethane	2.0	100	ND	10		D2
trans-1,2-Dichloroethene	1.6	20	ND	10		D2
Tert-butylmethylether	1.7	10	160	10		D2
1,1-Dichloroethane	1.2	20	5.7	10		D2E4
Vinyl acetate	8.4	250	ND	10		D2
2,2-Dichloropropane	3.3	20	ND	10		D2
cis-1,2-Dichloroethene	1.7	20	ND	10		D2
2-Butanone	9.0	100	ND	10		D2
Bromochloromethane	2.5	50	ND	10		D2
Chloroform	1.4	20	1.9	10		D2E4
1,1,1-Trichloroethane	1.4	20	ND	10		D2
1,1-Dichloropropene	1.8	20	ND	10		D2
Carbon tetrachloride	1.8	20	ND	10		D2
Benzene	1.2	10	ND	10		D2
1,2-Dichloroethane	1.8	10	ND	10		D2
Trichloroethene	1.0	10	ND	10		D2
1,2-Dichloropropane	1.7	20	ND	10		D2
Dibromomethane	1.8	20	ND	10		D2
Bromodichloromethane	1.7	10	ND	10		D2
cis-1,3-Dichloropropene	1.3	20	ND	10		D2
4-methyl-2-pentanone	8.5	100	ND	10		D2
Toluene	1.4	20	1.7	10		D2E4
trans-1,3-Dichloropropene	1.9	20	ND	10		D2

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-95A-6D2DL

Lab Sample ID: D0602003-009DL Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/08/06

Date Extracted: _____

Date Analyzed: 12/12/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	2.2	10	ND	10		D2
Tetrachloroethene	2.2	10	ND	10		D2
1,3-Dichloropropane	1.1	20	ND	10		D2
2-Hexanone	5.8	100	ND	10		D2
Dibromochloromethane	1.5	20	ND	10		D2
1,2-Dibromoethane	1.5	20	ND	10		D2
Chlorobenzene	1.5	10	ND	10		D2
1,1,1,2-Tetrachloroethane	2.3	50	ND	10		D2
Ethylbenzene	1.5	20	ND	10		D2
Xylene (total)	1.4	100	ND	10		D2
Styrene	1.6	20	ND	10		D2
Bromoform	1.8	50	ND	10		D2
Isopropylbenzene	1.7	20	ND	10		D2
1,1,2,2-Tetrachloroethane	1.7	10	ND	10		D2
Bromobenzene	1.7	50	ND	10		D2
1,2,3-Trichloropropane	2.0	100	ND	10		D2
n-Propylbenzene	1.3	20	ND	10		D2
2-Chlorotoluene	1.6	50	ND	10		D2
1,3,5-Trimethylbenzene	1.5	20	ND	10		D2
4-Chlorotoluene	1.6	50	ND	10		D2
tert-Butylbenzene	1.8	50	ND	10		D2
1,2,4-Trimethylbenzene	1.3	20	ND	10		D2
sec-Butylbenzene	1.7	50	ND	10		D2
1,3-Dichlorobenzene	1.1	10	ND	10		D2
p-Isopropyltoluene	1.0	20	ND	10		D2
1,4-Dichlorobenzene	1.1	10	ND	10		D2
n-Butylbenzene	3.3	50	ND	10		D2
1,2-Dichlorobenzene	1.4	10	ND	10		D2
1,2-Dibromo-3-chloropropane	8.1	50	ND	10		D2
1,2,4-Trichlorobenzene	3.6	50	ND	10		D2
Hexachlorobutadiene	6.0	10	ND	10		D2
Naphthalene	2.9	20	ND	10		D2
1,2,3-Trichlorobenzene	3.7	50	ND	10		D2

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-95A-6D2DL

Lab Sample ID: D0602003-009DL Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/08/06

Date Extracted:

Date Analyzed: 12/12/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	98	82-124	
Dibromofluoromethane - SS	95	84-127	
Toluene-d8 - SS	96	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-96A-6D2

Lab Sample ID: D0602003-010

Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/08/06

Date Extracted: _____

Date Analyzed: 12/11/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	ND	1		
Vinyl chloride	0.22	1.0	2.0	1		
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	ND	1		
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	1.1	1		E4
Acetone	1.0	20	ND	1		
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	190	1		
1,1-Dichloroethane	0.12	2.0	10	1		
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	1.0	1		E4
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	ND	1		
1,1,1-Trichloroethane	0.14	2.0	ND	1		
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	ND	1		
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	1.2	1		
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	ND	1		
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	0.17	1		E4
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-96A-6D2

Lab Sample ID: D0602003-010

Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/08/06

Date Extracted:

Date Analyzed: 12/11/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	0.50	1		E4
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	ND	1		
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	0.45	1		E4
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	ND	1		
Xylene (total)	0.14	10	ND	1		
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	ND	1		
Isopropylbenzene	0.17	2.0	ND	1		
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	ND	1		
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	ND	1		
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	ND	1		
1,2,4-Trimethylbenzene	0.13	2.0	ND	1		
sec-Butylbenzene	0.17	5.0	ND	1		
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	ND	1		
1,4-Dichlorobenzene	0.11	1.0	0.17	1		E4
n-Butylbenzene	0.33	5.0	ND	1		
1,2-Dichlorobenzene	0.14	1.0	ND	1		
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		
Naphthalene	0.29	2.0	ND	1		
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-96A-6D2

Lab Sample ID: D0602003-010 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/08/06

Date Extracted:

Date Analyzed: 12/11/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	100	82-124	
Dibromofluoromethane - SS	100	84-127	
Toluene-d8 - SS	101	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-96A-6D2DL

Lab Sample ID: D0602003-010DL Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/08/06

Date Extracted:

Date Analyzed: 12/12/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	3.6	50	ND	10		D2
Chloromethane	2.3	50	ND	10		D2
Vinyl chloride	2.2	10	2.7	10		D2E4
Bromomethane	2.7	10	ND	10		D2
Chloroethane	2.0	50	ND	10		D2
Trichlorofluoromethane	1.4	50	ND	10		D2
1,1-Dichloroethene	1.9	20	ND	10		D2
Acetone	10	200	ND	10		D2
Carbon disulfide	1.1	50	ND	10		D2
Methylene chloride	1.5	50	ND	10		D2
Iodomethane	2.0	100	ND	10		D2
trans-1,2-Dichloroethene	1.6	20	ND	10		D2
Tert-butylmethylether	1.7	10	220	10		D2
1,1-Dichloroethane	1.2	20	10	10		D2E4
Vinyl acetate	8.4	250	ND	10		D2
2,2-Dichloropropane	3.3	20	ND	10		D2
cis-1,2-Dichloroethene	1.7	20	ND	10		D2
2-Butanone	9.0	100	ND	10		D2
Bromochloromethane	2.5	50	ND	10		D2
Chloroform	1.4	20	ND	10		D2
1,1,1-Trichloroethane	1.4	20	ND	10		D2
1,1-Dichloropropene	1.8	20	ND	10		D2
Carbon tetrachloride	1.8	20	ND	10		D2
Benzene	1.2	10	ND	10		D2
1,2-Dichloroethane	1.8	10	ND	10		D2
Trichloroethene	1.0	10	ND	10		D2
1,2-Dichloropropane	1.7	20	ND	10		D2
Dibromomethane	1.8	20	ND	10		D2
Bromodichloromethane	1.7	10	ND	10		D2
cis-1,3-Dichloropropene	1.3	20	ND	10		D2
4-methyl-2-pentanone	8.5	100	ND	10		D2
Toluene	1.4	20	ND	10		D2
trans-1,3-Dichloropropene	1.9	20	ND	10		D2

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-96A-6D2DL

Lab Sample ID: D0602003-010DL Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/08/06

Date Extracted: _____

Date Analyzed: 12/12/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	2.2	10	ND	10		D2
Tetrachloroethene	2.2	10	ND	10		D2
1,3-Dichloropropane	1.1	20	ND	10		D2
2-Hexanone	5.8	100	ND	10		D2
Dibromochloromethane	1.5	20	ND	10		D2
1,2-Dibromoethane	1.5	20	ND	10		D2
Chlorobenzene	1.5	10	ND	10		D2
1,1,1,2-Tetrachloroethane	2.3	50	ND	10		D2
Ethylbenzene	1.5	20	ND	10		D2
Xylene (total)	1.4	100	ND	10		D2
Styrene	1.6	20	ND	10		D2
Bromoform	1.8	50	ND	10		D2
Isopropylbenzene	1.7	20	ND	10		D2
1,1,2,2-Tetrachloroethane	1.7	10	ND	10		D2
Bromobenzene	1.7	50	ND	10		D2
1,2,3-Trichloropropane	2.0	100	ND	10		D2
n-Propylbenzene	1.3	20	ND	10		D2
2-Chlorotoluene	1.6	50	ND	10		D2
1,3,5-Trimethylbenzene	1.5	20	ND	10		D2
4-Chlorotoluene	1.6	50	ND	10		D2
tert-Butylbenzene	1.8	50	ND	10		D2
1,2,4-Trimethylbenzene	1.3	20	ND	10		D2
sec-Butylbenzene	1.7	50	ND	10		D2
1,3-Dichlorobenzene	1.1	10	ND	10		D2
p-Isopropyltoluene	1.0	20	ND	10		D2
1,4-Dichlorobenzene	1.1	10	ND	10		D2
n-Butylbenzene	3.3	50	ND	10		D2
1,2-Dichlorobenzene	1.4	10	ND	10		D2
1,2-Dibromo-3-chloropropane	8.1	50	ND	10		D2
1,2,4-Trichlorobenzene	3.6	50	ND	10		D2
Hexachlorobutadiene	6.0	10	ND	10		D2
Naphthalene	2.9	20	ND	10		D2
1,2,3-Trichlorobenzene	3.7	50	ND	10		D2

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-96A-6D2DL

Lab Sample ID: D0602003-010DL Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/08/06

Date Extracted: _____

Date Analyzed: 12/12/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	98	82-124	
Dibromofluoromethane - SS	98	84-127	
Toluene-d8 - SS	95	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-98A-6D2

Lab Sample ID: D0602003-011 Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/08/06

Date Extracted: _____

Date Analyzed: 12/11/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	ND	1		
Vinyl chloride	0.22	1.0	ND	1		
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	ND	1		
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	ND	1		
Acetone	1.0	20	ND	1		
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	ND	1		
1,1-Dichloroethane	0.12	2.0	ND	1		
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	ND	1		
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	0.29	1		E4
1,1,1-Trichloroethane	0.14	2.0	ND	1		
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	ND	1		
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	ND	1		
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	ND	1		
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	0.16	1		E4
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-98A-6D2

Lab Sample ID: D0602003-011

Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/08/06

Date Extracted:

Date Analyzed: 12/11/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	0.29	1		E4
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	ND	1		
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	0.18	1		E4
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	ND	1		
Xylene (total)	0.14	10	ND	1		
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	ND	1		
Isopropylbenzene	0.17	2.0	ND	1		
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	ND	1		
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	ND	1		
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	ND	1		
1,2,4-Trimethylbenzene	0.13	2.0	ND	1		
sec-Butylbenzene	0.17	5.0	ND	1		
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	ND	1		
1,4-Dichlorobenzene	0.11	1.0	ND	1		
n-Butylbenzene	0.33	5.0	ND	1		
1,2-Dichlorobenzene	0.14	1.0	ND	1		
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		
Naphthalene	0.29	2.0	ND	1		
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2

RESULTS

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-98A-6D2

Lab Sample ID: D0602003-011 Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/08/06

Date Extracted:

Date Analyzed: 12/11/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	101	82-124	
Dibromofluoromethane - SS	98	84-127	
Toluene-d8 - SS	100	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-99A-6D2

Lab Sample ID: D0602003-012 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/08/06

Date Extracted:

Date Analyzed: 12/11/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	ND	1		
Vinyl chloride	0.22	1.0	ND	1		
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	ND	1		
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	ND	1		
Acetone	1.0	20	ND	1		
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	ND	1		
1,1-Dichloroethane	0.12	2.0	ND	1		
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	ND	1		
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	0.34	1		E4
1,1,1-Trichloroethane	0.14	2.0	ND	1		
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	ND	1		
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	ND	1		
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	ND	1		
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	ND	1		
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-99A-6D2

Lab Sample ID: D0602003-012

Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/08/06

Date Extracted: _____

Date Analyzed: 12/11/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	0.26	1		E4
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	ND	1		
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	0.20	1		E4
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	ND	1		
Xylene (total)	0.14	10	ND	1		
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	ND	1		
Isopropylbenzene	0.17	2.0	ND	1		
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	ND	1		
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	ND	1		
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	ND	1		
1,2,4-Trimethylbenzene	0.13	2.0	ND	1		
sec-Butylbenzene	0.17	5.0	ND	1		
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	ND	1		
1,4-Dichlorobenzene	0.11	1.0	ND	1		
n-Butylbenzene	0.33	5.0	ND	1		
1,2-Dichlorobenzene	0.14	1.0	ND	1		
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		
Naphthalene	0.29	2.0	ND	1		
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-99A-6D2

Lab Sample ID: D0602003-012 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/08/06

Date Extracted:

Date Analyzed: 12/11/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	98	82-124	
Dibromofluoromethane - SS	98	84-127	
Toluene-d8 - SS	98	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: PL-501-6D2

Lab Sample ID: D0602003-013

Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/08/06

Date Extracted:

Date Analyzed: 12/11/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	ND	1		
Vinyl chloride	0.22	1.0	ND	1		
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	ND	1		
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	ND	1		
Acetone	1.0	20	2.1	1		E4
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	ND	1		
1,1-Dichloroethane	0.12	2.0	ND	1		
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	ND	1		
2-Butanone	0.90	10	1.8	1		E4
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	ND	1		
1,1,1-Trichloroethane	0.14	2.0	ND	1		
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	ND	1		
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	ND	1		
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	0.31	1		E4
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	1.4	1		E4
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: PL-501-6D2

Lab Sample ID: D0602003-013

Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/08/06

Date Extracted:

Date Analyzed: 12/11/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	2.6	1		
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	0.45	1		E4
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	1.6	1		
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	ND	1		
Xylene (total)	0.14	10	ND	1		
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	1.7	1		E4
Isopropylbenzene	0.17	2.0	ND	1		
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	ND	1		
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	ND	1		
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	ND	1		
1,2,4-Trimethylbenzene	0.13	2.0	ND	1		
sec-Butylbenzene	0.17	5.0	ND	1		
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	ND	1		
1,4-Dichlorobenzene	0.11	1.0	0.69	1		E4
n-Butylbenzene	0.33	5.0	ND	1		
1,2-Dichlorobenzene	0.14	1.0	0.20	1		E4
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		
Naphthalene	0.29	2.0	ND	1		
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: PL-501-6D2

Lab Sample ID: D0602003-013 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/08/06

Date Extracted:

Date Analyzed: 12/11/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	99	82-124	
Dibromofluoromethane - SS	98	84-127	
Toluene-d8 - SS	100	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: PL-502-6D2

Lab Sample ID: D0602003-014

Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/08/06

Date Extracted:

Date Analyzed: 12/11/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	ND	1		
Vinyl chloride	0.22	1.0	ND	1		
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	ND	1		
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	0.60	1		E4
Acetone	1.0	20	1.1	1		E4
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	ND	1		
1,1-Dichloroethane	0.12	2.0	0.15	1		E4
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	ND	1		
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	0.25	1		E4
1,1,1-Trichloroethane	0.14	2.0	ND	1		
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	ND	1		
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	0.44	1		E4
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	ND	1		
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	ND	1		
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A

Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: PL-502-6D2

Lab Sample ID: D0602003-014 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/08/06

Date Extracted:

Date Analyzed: 12/11/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	1.5	1		
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	ND	1		
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	ND	1		
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	ND	1		
Xylene (total)	0.14	10	ND	1		
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	ND	1		
Isopropylbenzene	0.17	2.0	ND	1		
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	ND	1		
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	ND	1		
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	ND	1		
1,2,4-Trimethylbenzene	0.13	2.0	ND	1		
sec-Butylbenzene	0.17	5.0	ND	1		
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	ND	1		
1,4-Dichlorobenzene	0.11	1.0	ND	1		
n-Butylbenzene	0.33	5.0	ND	1		
1,2-Dichlorobenzene	0.14	1.0	ND	1		
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		
Naphthalene	0.29	2.0	ND	1		
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2 RESULTS

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: PL-502-6D2

Lab Sample ID: D0602003-014 Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/08/06

Date Extracted:

Date Analyzed: 12/11/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	101	82-124	
Dibromofluoromethane - SS	99	84-127	
Toluene-d8 - SS	100	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: TB-120606

Lab Sample ID: D0602003-015 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/08/06

Date Extracted:

Date Analyzed: 12/11/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	ND	1		
Vinyl chloride	0.22	1.0	ND	1		
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	ND	1		
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	ND	1		
Acetone	1.0	20	2.1	1		E4
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	ND	1		
1,1-Dichloroethane	0.12	2.0	ND	1		
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	ND	1		
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	ND	1		
1,1,1-Trichloroethane	0.14	2.0	ND	1		
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	ND	1		
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	ND	1		
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	ND	1		
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	ND	1		
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: TB-120606

Lab Sample ID: D0602003-015

Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/08/06

Date Extracted: _____

Date Analyzed: 12/11/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	ND	1		
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	ND	1		
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	ND	1		
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	ND	1		
Xylene (total)	0.14	10	ND	1		
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	ND	1		
Isopropylbenzene	0.17	2.0	ND	1		
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	ND	1		
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	ND	1		
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	ND	1		
1,2,4-Trimethylbenzene	0.13	2.0	ND	1		
sec-Butylbenzene	0.17	5.0	ND	1		
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	ND	1		
1,4-Dichlorobenzene	0.11	1.0	ND	1		
n-Butylbenzene	0.33	5.0	ND	1		
1,2-Dichlorobenzene	0.14	1.0	ND	1		
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		
Naphthalene	0.29	2.0	ND	1		
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2

RESULTS

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: TB-120606

Lab Sample ID: D0602003-015 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/08/06

Date Extracted:

Date Analyzed: 12/11/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	100	82-124	
Dibromofluoromethane - SS	99	84-127	
Toluene-d8 - SS	100	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-109A-6D2

Lab Sample ID: D0602003-016

Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/08/06

Date Extracted:

Date Analyzed: 12/11/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	ND	1		
Vinyl chloride	0.22	1.0	ND	1		
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	ND	1		
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	0.30	1		E4
Acetone	1.0	20	ND	1		
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	ND	1		
1,1-Dichloroethane	0.12	2.0	ND	1		
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	ND	1		
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	0.18	1		E4
1,1,1-Trichloroethane	0.14	2.0	ND	1		
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	ND	1		
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	0.22	1		E4
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	ND	1		
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	ND	1		
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-109A-6D2

Lab Sample ID: D0602003-016 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/08/06

Date Extracted:

Date Analyzed: 12/11/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	0.86	1		E4
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	ND	1		
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	ND	1		
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	ND	1		
Xylene (total)	0.14	10	ND	1		
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	ND	1		
Isopropylbenzene	0.17	2.0	ND	1		
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	ND	1		
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	ND	1		
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	ND	1		
1,2,4-Trimethylbenzene	0.13	2.0	ND	1		
sec-Butylbenzene	0.17	5.0	ND	1		
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	ND	1		
1,4-Dichlorobenzene	0.11	1.0	ND	1		
n-Butylbenzene	0.33	5.0	ND	1		
1,2-Dichlorobenzene	0.14	1.0	ND	1		
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		
Naphthalene	0.29	2.0	ND	1		
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2 RESULTS

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-109A-6D2

Lab Sample ID: D0602003-016 Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/08/06

Date Extracted: _____

Date Analyzed: 12/11/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	100	82-124	
Dibromofluoromethane - SS	101	84-127	
Toluene-d8 - SS	100	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-123A-6D2

Lab Sample ID: D0602003-017

Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/08/06

Date Extracted:

Date Analyzed: 12/11/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	ND	1		
Vinyl chloride	0.22	1.0	ND	1		
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	ND	1		
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	0.23	1		E4
Acetone	1.0	20	ND	1		
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	ND	1		
1,1-Dichloroethane	0.12	2.0	ND	1		
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	ND	1		
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	0.15	1		E4
1,1,1-Trichloroethane	0.14	2.0	ND	1		
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	ND	1		
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	ND	1		
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	ND	1		
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	ND	1		
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-123A-6D2

Lab Sample ID: D0602003-017

Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/08/06

Date Extracted: _____

Date Analyzed: 12/11/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	0.56	1		E4
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	ND	1		
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	ND	1		
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	ND	1		
Xylene (total)	0.14	10	ND	1		
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	ND	1		
Isopropylbenzene	0.17	2.0	ND	1		
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	ND	1		
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	ND	1		
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	ND	1		
1,2,4-Trimethylbenzene	0.13	2.0	ND	1		
sec-Butylbenzene	0.17	5.0	ND	1		
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	ND	1		
1,4-Dichlorobenzene	0.11	1.0	ND	1		
n-Butylbenzene	0.33	5.0	ND	1		
1,2-Dichlorobenzene	0.14	1.0	ND	1		
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		
Naphthalene	0.29	2.0	ND	1		
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-123A-6D2

Lab Sample ID: D0602003-017 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/08/06

Date Extracted:

Date Analyzed: 12/11/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	100	82-124	
Dibromofluoromethane - SS	98	84-127	
Toluene-d8 - SS	99	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

ORGANIC ANALYSES DATA SHEET 6
BLANKS

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Concentration Units (ug/L or mg/kg): UG/L

Method Blank ID: M1211W01

Lab Sample ID: M1211W01

Initial Calibration ID: 12/05/06MSM

Analyte	MDL	Method Blank	RL	Q
Dichlorodifluoromethane	0.36	ND	5.0	
Chloromethane	0.23	ND	5.0	
Vinyl chloride	0.22	ND	1.0	
Bromomethane	0.27	ND	1.0	
Chloroethane	0.20	ND	5.0	
Trichlorofluoromethane	0.14	ND	5.0	
1,1-Dichloroethene	0.19	ND	2.0	
Acetone	1.0	ND	20	
Carbon disulfide	0.11	ND	5.0	
Methylene chloride	0.15	ND	5.0	
Iodomethane	0.20	ND	10	
trans-1,2-Dichloroethene	0.16	ND	2.0	
Tert-butylmethylether	0.17	ND	1.0	
1,1-Dichloroethane	0.12	ND	2.0	
Vinyl acetate	0.84	ND	25	
2,2-Dichloropropane	0.33	ND	2.0	
cis-1,2-Dichloroethene	0.17	ND	2.0	
2-Butanone	0.90	ND	10	
Bromochloromethane	0.25	ND	5.0	
Chloroform	0.14	ND	2.0	
1,1,1-Trichloroethane	0.14	ND	2.0	
1,1-Dichloropropene	0.18	ND	2.0	
Carbon tetrachloride	0.18	ND	2.0	
Benzene	0.12	ND	1.0	
1,2-Dichloroethane	0.18	ND	1.0	
Trichloroethene	0.10	ND	1.0	
1,2-Dichloropropane	0.17	ND	2.0	
Dibromomethane	0.18	ND	2.0	
Bromodichloromethane	0.17	ND	1.0	
cis-1,3-Dichloropropene	0.13	ND	2.0	
4-methyl-2-pentanone	0.85	ND	10	
Toluene	0.14	ND	2.0	
trans-1,3-Dichloropropene	0.19	ND	2.0	

Comments:

ORGANIC ANALYSES DATA SHEET 6
BLANKS

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Concentration Units (ug/L or mg/kg): UG/L

Method Blank ID: M1211W01

Lab Sample ID: M1211W01

Initial Calibration ID: 12/05/06MSM

Analyte	MDL	Method Blank	RL	Q
1,1,2-Trichloroethane	0.22	ND	1.0	
Tetrachloroethene	0.22	ND	1.0	
1,3-Dichloropropane	0.11	ND	2.0	
2-Hexanone	0.58	ND	10	
Dibromochloromethane	0.15	ND	2.0	
1,2-Dibromoethane	0.15	ND	2.0	
Chlorobenzene	0.15	ND	1.0	
1,1,1,2-Tetrachloroethane	0.23	ND	5.0	
Ethylbenzene	0.15	ND	2.0	
Xylene (total)	0.14	ND	10	
Styrene	0.16	ND	2.0	
Bromoform	0.18	ND	5.0	
Isopropylbenzene	0.17	ND	2.0	
1,1,2,2-Tetrachloroethane	0.17	ND	1.0	
Bromobenzene	0.17	ND	5.0	
1,2,3-Trichloropropane	0.20	ND	10	
n-Propylbenzene	0.13	ND	2.0	
2-Chlorotoluene	0.16	ND	5.0	
1,3,5-Trimethylbenzene	0.15	ND	2.0	
4-Chlorotoluene	0.16	ND	5.0	
tert-Butylbenzene	0.18	ND	5.0	
1,2,4-Trimethylbenzene	0.13	ND	2.0	
sec-Butylbenzene	0.17	ND	5.0	
1,3-Dichlorobenzene	0.11	ND	1.0	
p-Isopropyltoluene	0.10	ND	2.0	
1,4-Dichlorobenzene	0.11	ND	1.0	
n-Butylbenzene	0.33	ND	5.0	
1,2-Dichlorobenzene	0.14	ND	1.0	
1,2-Dibromo-3-chloropropane	0.81	ND	5.0	
1,2,4-Trichlorobenzene	0.36	ND	5.0	
Hexachlorobutadiene	0.60	ND	1.0	
Naphthalene	0.29	ND	2.0	
1,2,3-Trichlorobenzene	0.37	ND	5.0	

Comments:

ORGANIC ANALYSES DATA SHEET 6
BLANKS

Analytical Method: SW8260 AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Concentration Units (ug/L or mg/kg): UG/L Method Blank ID: M1211W01

Lab Sample ID: M1211W01

Initial Calibration ID: 12/05/06MSM

Analyte	MDL	Method Blank	RL	Q

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	100	82-124	
Dibromofluoromethane - SS	98	84-127	
Toluene-d8 - SS	99	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

ORGANIC ANALYSES DATA SHEET 6
BLANKS

Analytical Method: SW8260 AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Concentration Units (ug/L or mg/kg): UG/L Method Blank ID: M1212W01

Lab Sample ID: M1212W01

Initial Calibration ID: 12/05/06MSM

Analyte	MDL	Method Blank	RL	Q
Dichlorodifluoromethane	0.36	ND	5.0	
Chloromethane	0.23	ND	5.0	
Vinyl chloride	0.22	ND	1.0	
Bromomethane	0.27	ND	1.0	
Chloroethane	0.20	ND	5.0	
Trichlorofluoromethane	0.14	ND	5.0	
1,1-Dichloroethene	0.19	ND	2.0	
Acetone	1.0	ND	20	
Carbon disulfide	0.11	ND	5.0	
Methylene chloride	0.15	ND	5.0	
Iodomethane	0.20	ND	10	
trans-1,2-Dichloroethene	0.16	ND	2.0	
Tert-butylmethylether	0.17	ND	1.0	
1,1-Dichloroethane	0.12	ND	2.0	
Vinyl acetate	0.84	ND	25	
2,2-Dichloropropane	0.33	ND	2.0	
cis-1,2-Dichloroethene	0.17	ND	2.0	
2-Butanone	0.90	ND	10	
Bromochloromethane	0.25	ND	5.0	
Chloroform	0.14	ND	2.0	
1,1,1-Trichloroethane	0.14	ND	2.0	
1,1-Dichloropropene	0.18	ND	2.0	
Carbon tetrachloride	0.18	ND	2.0	
Benzene	0.12	ND	1.0	
1,2-Dichloroethane	0.18	ND	1.0	
Trichloroethene	0.10	ND	1.0	
1,2-Dichloropropane	0.17	ND	2.0	
Dibromomethane	0.18	ND	2.0	
Bromodichloromethane	0.17	ND	1.0	
cis-1,3-Dichloropropene	0.13	ND	2.0	
4-methyl-2-pentanone	0.85	ND	10	
Toluene	0.14	ND	2.0	
trans-1,3-Dichloropropene	0.19	ND	2.0	

Comments:

ORGANIC ANALYSES DATA SHEET 6
BLANKS

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Concentration Units (ug/L or mg/kg): UG/L

Method Blank ID: M1212W01

Lab Sample ID: M1212W01

Initial Calibration ID: 12/05/06MSM

Analyte	MDL	Method Blank	RL	Q
1,1,2-Trichloroethane	0.22	ND	1.0	
Tetrachloroethene	0.22	ND	1.0	
1,3-Dichloropropane	0.11	ND	2.0	
2-Hexanone	0.58	ND	10	
Dibromochloromethane	0.15	ND	2.0	
1,2-Dibromoethane	0.15	ND	2.0	
Chlorobenzene	0.15	ND	1.0	
1,1,1,2-Tetrachloroethane	0.23	ND	5.0	
Ethylbenzene	0.15	ND	2.0	
Xylene (total)	0.14	ND	10	
Styrene	0.16	ND	2.0	
Bromoform	0.18	ND	5.0	
Isopropylbenzene	0.17	ND	2.0	
1,1,2,2-Tetrachloroethane	0.17	ND	1.0	
Bromobenzene	0.17	ND	5.0	
1,2,3-Trichloropropane	0.20	ND	10	
n-Propylbenzene	0.13	ND	2.0	
2-Chlorotoluene	0.16	ND	5.0	
1,3,5-Trimethylbenzene	0.15	ND	2.0	
4-Chlorotoluene	0.16	ND	5.0	
tert-Butylbenzene	0.18	ND	5.0	
1,2,4-Trimethylbenzene	0.13	ND	2.0	
sec-Butylbenzene	0.17	ND	5.0	
1,3-Dichlorobenzene	0.11	ND	1.0	
p-Isopropyltoluene	0.10	ND	2.0	
1,4-Dichlorobenzene	0.11	ND	1.0	
n-Butylbenzene	0.33	ND	5.0	
1,2-Dichlorobenzene	0.14	ND	1.0	
1,2-Dibromo-3-chloropropane	0.81	ND	5.0	
1,2,4-Trichlorobenzene	0.36	ND	5.0	
Hexachlorobutadiene	0.60	ND	1.0	
Naphthalene	0.29	ND	2.0	
1,2,3-Trichlorobenzene	0.37	ND	5.0	

Comments:

ORGANIC ANALYSES DATA SHEET 6
BLANKS

Analytical Method: SW8260 AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Concentration Units (ug/L or mg/kg): UG/L Method Blank ID: M1212W01

Lab Sample ID: M1212W01

Initial Calibration ID: 12/05/06MSM

Analyte	MDL	Method Blank	RL	Q

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	97	82-124	
Dibromofluoromethane - SS	98	84-127	
Toluene-d8 - SS	96	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

LCS ID: M1211W01LCS

Concentration Units (ug/L or mg/kg): UG/L

Date Extracted: _____ Date Analyzed: 12/11/06

Initial Calibration ID: 12/05/06MSM

Analyte	Expected	Found	%R	Control Limits	Q
Dichlorodifluoromethane	10.0	12.9	129	27-158	
Chloromethane	10.0	10.9	109	51-137	
Vinyl chloride	10.0	11.0	110	57-137	
Bromomethane	10.0	10.9	109	44-156	
Chloroethane	10.0	10.6	106	60-140	
Trichlorofluoromethane	10.0	11.9	119	54-146	
1,1-Dichloroethene	10.0	10.8	108	70-130	
Acetone	50.0	48.6	97	55-137	
Carbon disulfide	10.0	10.2	102	50-127	
Methylene chloride	10.0	9.9	99	73-121	
Iodomethane	10.0	9.5	95	50-150	E4
trans-1,2-Dichloroethene	10.0	9.6	96	74-124	
Tert-butylmethylether	10.0	9.9	99	75-119	
1,1-Dichloroethane	10.0	9.8	98	78-121	
Vinyl acetate	10.0	11.2	112	52-129	E4
2,2-Dichloropropane	10.0	9.9	99	61-137	
cis-1,2-Dichloroethene	10.0	10.0	100	80-118	
2-Butanone	50.0	49.7	99	76-122	
Bromochloromethane	10.0	9.7	97	82-118	
Chloroform	10.0	9.7	97	73-125	
1,1,1-Trichloroethane	10.0	9.8	98	76-124	
1,1-Dichloropropene	10.0	10.2	102	80-119	
Carbon tetrachloride	10.0	10.6	106	68-135	
Benzene	10.0	10.1	101	81-119	
1,2-Dichloroethane	10.0	9.7	97	75-122	
Trichloroethene	10.0	9.7	97	79-118	
1,2-Dichloropropane	10.0	9.6	96	82-115	
Dibromomethane	10.0	9.9	99	84-116	
Bromodichloromethane	10.0	10.4	104	81-122	
cis-1,3-Dichloropropene	10.0	10.4	104	78-118	
4-methyl-2-pentanone	50.0	50.9	102	81-127	
Toluene	10.0	9.9	99	83-116	
trans-1,3-Dichloropropene	10.0	10.5	105	73-122	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

LCS ID: M1211W01LCS

Concentration Units (ug/L or mg/kg): UG/L

Date Extracted: _____ Date Analyzed: 12/11/06

Initial Calibration ID: 12/05/06MSM

Analyte	Expected	Found	%R	Control Limits	Q
1,1,2-Trichloroethane	10.0	10.0	100	83-120	
Tetrachloroethene	10.0	10.4	104	82-118	
1,3-Dichloropropane	10.0	10.0	100	82-119	
2-Hexanone	50.0	50.4	101	81-130	
Dibromochloromethane	10.0	11.3	113	79-124	
1,2-Dibromoethane	10.0	10.2	102	82-116	
Chlorobenzene	10.0	10.1	101	86-114	
1,1,1,2-Tetrachloroethane	10.0	10.5	105	79-122	
Ethylbenzene	10.0	10.4	104	86-116	
Xylene (total)	30.0	31.1	104	85-117	
Styrene	10.0	10.4	104	84-119	
Bromoform	10.0	11.2	112	71-133	
Isopropylbenzene	10.0	10.7	107	77-117	
1,1,2,2-Tetrachloroethane	10.0	9.8	98	80-117	
Bromobenzene	10.0	10.1	101	84-120	
1,2,3-Trichloropropane	10.0	9.6	96	81-122	E4
n-Propylbenzene	10.0	10.2	102	87-117	
2-Chlorotoluene	10.0	10.1	101	87-119	
1,3,5-Trimethylbenzene	10.0	10.3	103	83-120	
4-Chlorotoluene	10.0	10.1	101	86-118	
tert-Butylbenzene	10.0	9.0	90	82-122	
1,2,4-Trimethylbenzene	10.0	10.6	106	86-121	
sec-Butylbenzene	10.0	11.0	110	84-128	
1,3-Dichlorobenzene	10.0	10.1	101	85-119	
p-Isopropyltoluene	10.0	10.4	104	84-121	
1,4-Dichlorobenzene	10.0	10.2	102	84-118	
n-Butylbenzene	10.0	10.2	102	81-123	
1,2-Dichlorobenzene	10.0	10.2	102	85-117	
1,2-Dibromo-3-chloropropane	40.0	39.7	99	67-121	
1,2,4-Trichlorobenzene	10.0	9.5	95	69-128	
Hexachlorobutadiene	10.0	10.0	100	71-135	
Naphthalene	10.0	10.2	102	60-131	
1,2,3-Trichlorobenzene	10.0	9.2	92	69-130	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

LCS ID: M1211W01LCS Concentration Units (ug/L or mg/kg): UG/L

Date Extracted: Date Analyzed: 12/11/06

Initial Calibration ID: 12/05/06MSM

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	102	82-124	
Dibromofluoromethane - SS	101	84-127	
Toluene-d8 - SS	102	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

LCS ID: M1211W01LCSD

Concentration Units (ug/L or mg/kg): UG/L

Date Extracted: _____ Date Analyzed: 12/11/06

Initial Calibration ID: 12/05/06MSM

Analyte	Expected	Found	%R	Control Limits	Q
Dichlorodifluoromethane	10.0	12.6	126	27-158	
Chloromethane	10.0	10.6	106	51-137	
Vinyl chloride	10.0	10.8	108	57-137	
Bromomethane	10.0	11.2	112	44-156	
Chloroethane	10.0	10.9	109	60-140	
Trichlorofluoromethane	10.0	12.0	120	54-146	
1,1-Dichloroethene	10.0	11.1	111	70-130	
Acetone	50.0	45.4	91	55-137	
Carbon disulfide	10.0	10.2	102	50-127	
Methylene chloride	10.0	9.6	96	73-121	
Iodomethane	10.0	9.5	95	50-150	E4
trans-1,2-Dichloroethene	10.0	9.7	97	74-124	
Tert-butylmethylether	10.0	9.9	99	75-119	
1,1-Dichloroethane	10.0	9.7	97	78-121	
Vinyl acetate	10.0	11.1	111	52-129	E4
2,2-Dichloropropane	10.0	10.0	100	61-137	
cis-1,2-Dichloroethene	10.0	10.2	102	80-118	
2-Butanone	50.0	49.0	98	76-122	
Bromochloromethane	10.0	9.8	98	82-118	
Chloroform	10.0	9.6	96	73-125	
1,1,1-Trichloroethane	10.0	9.9	99	76-124	
1,1-Dichloropropene	10.0	10.2	102	80-119	
Carbon tetrachloride	10.0	10.7	107	68-135	
Benzene	10.0	10.0	100	81-119	
1,2-Dichloroethane	10.0	9.6	96	75-122	
Trichloroethene	10.0	9.9	99	79-118	
1,2-Dichloropropane	10.0	9.6	96	82-115	
Dibromomethane	10.0	9.9	99	84-116	
Bromodichloromethane	10.0	10.5	105	81-122	
cis-1,3-Dichloropropene	10.0	10.3	103	78-118	
4-methyl-2-pentanone	50.0	51.4	103	81-127	
Toluene	10.0	9.7	97	83-116	
trans-1,3-Dichloropropene	10.0	10.4	104	73-122	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

LCS ID: M1211W01LCSD

Concentration Units (ug/L or mg/kg): UG/L

Date Extracted: _____ Date Analyzed: 12/11/06

Initial Calibration ID: 12/05/06MSM

Analyte	Expected	Found	%R	Control Limits	Q
1,1,2-Trichloroethane	10.0	9.9	99	83-120	
Tetrachloroethene	10.0	10.2	102	82-118	
1,3-Dichloropropane	10.0	9.9	99	82-119	
2-Hexanone	50.0	50.1	100	81-130	
Dibromochloromethane	10.0	11.1	111	79-124	
1,2-Dibromoethane	10.0	10.0	100	82-116	
Chlorobenzene	10.0	10.0	100	86-114	
1,1,1,2-Tetrachloroethane	10.0	10.4	104	79-122	
Ethylbenzene	10.0	10.2	102	86-116	
Xylene (total)	30.0	30.3	101	85-117	
Styrene	10.0	10.2	102	84-119	
Bromoform	10.0	10.7	107	71-133	
Isopropylbenzene	10.0	10.4	104	77-117	
1,1,2,2-Tetrachloroethane	10.0	10.1	101	80-117	
Bromobenzene	10.0	9.9	99	84-120	
1,2,3-Trichloropropane	10.0	9.7	97	81-122	E4
n-Propylbenzene	10.0	10.1	101	87-117	
2-Chlorotoluene	10.0	10.0	100	87-119	
1,3,5-Trimethylbenzene	10.0	10.0	100	83-120	
4-Chlorotoluene	10.0	9.9	99	86-118	
tert-Butylbenzene	10.0	8.7	87	82-122	
1,2,4-Trimethylbenzene	10.0	10.1	101	86-121	
sec-Butylbenzene	10.0	10.6	106	84-128	
1,3-Dichlorobenzene	10.0	9.8	98	85-119	
p-Isopropyltoluene	10.0	10.1	101	84-121	
1,4-Dichlorobenzene	10.0	9.9	99	84-118	
n-Butylbenzene	10.0	9.9	99	81-123	
1,2-Dichlorobenzene	10.0	9.9	99	85-117	
1,2-Dibromo-3-chloropropane	40.0	39.8	100	67-121	
1,2,4-Trichlorobenzene	10.0	9.7	97	69-128	
Hexachlorobutadiene	10.0	9.9	99	71-135	
Naphthalene	10.0	10.3	103	60-131	
1,2,3-Trichlorobenzene	10.0	9.5	95	69-130	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

LCS ID: M1211W01LCSD Concentration Units (ug/L or mg/kg): UG/L

Date Extracted: _____ Date Analyzed: 12/11/06

Initial Calibration ID: 12/05/06MSM[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	98	82-124	
Dibromofluoromethane - SS	101	84-127	
Toluene-d8 - SS	101	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

LCS ID: M1212W01LCS

Concentration Units (ug/L or mg/kg): UG/L

Date Extracted: _____ Date Analyzed: 12/12/06

Initial Calibration ID: 12/05/06MSM

Analyte	Expected	Found	%R	Control Limits	Q
Dichlorodifluoromethane	10.0	11.9	119	27-158	
Chloromethane	10.0	10.8	108	51-137	
Vinyl chloride	10.0	10.5	105	57-137	
Bromomethane	10.0	11.1	111	44-156	
Chloroethane	10.0	10.6	106	60-140	
Trichlorofluoromethane	10.0	10.8	108	54-146	
1,1-Dichloroethene	10.0	10.8	108	70-130	
Acetone	50.0	45.9	92	55-137	
Carbon disulfide	10.0	10.0	100	50-127	
Methylene chloride	10.0	9.8	98	73-121	
Iodomethane	10.0	9.3	93	50-150	E4
trans-1,2-Dichloroethene	10.0	9.5	95	74-124	
Tert-butylmethylether	10.0	9.8	98	75-119	
1,1-Dichloroethane	10.0	9.6	96	78-121	
Vinyl acetate	10.0	10.8	108	52-129	E4
2,2-Dichloropropane	10.0	10.0	100	61-137	
cis-1,2-Dichloroethene	10.0	10.1	101	80-118	
2-Butanone	50.0	47.8	96	76-122	
Bromochloromethane	10.0	9.5	95	82-118	
Chloroform	10.0	9.4	94	73-125	
1,1,1-Trichloroethane	10.0	9.6	96	76-124	
1,1-Dichloropropene	10.0	9.8	98	80-119	
Carbon tetrachloride	10.0	9.6	96	68-135	
Benzene	10.0	10.0	100	81-119	
1,2-Dichloroethane	10.0	9.6	96	75-122	
Trichloroethene	10.0	9.7	97	79-118	
1,2-Dichloropropane	10.0	9.6	96	82-115	
Dibromomethane	10.0	9.9	99	84-116	
Bromodichloromethane	10.0	9.7	97	81-122	
cis-1,3-Dichloropropene	10.0	10.1	101	78-118	
4-methyl-2-pentanone	50.0	49.1	98	81-127	
Toluene	10.0	9.5	95	83-116	
trans-1,3-Dichloropropene	10.0	9.8	98	73-122	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

LCS ID: M1212W01LCS

Concentration Units (ug/L or mg/kg): UG/L

Date Extracted: _____ Date Analyzed: 12/12/06

Initial Calibration ID: 12/05/06MSM

Analyte	Expected	Found	%R	Control Limits	Q
1,1,2-Trichloroethane	10.0	9.8	98	83-120	
Tetrachloroethene	10.0	10.0	100	82-118	
1,3-Dichloropropane	10.0	9.8	98	82-119	
2-Hexanone	50.0	47.0	94	81-130	
Dibromochloromethane	10.0	9.6	96	79-124	
1,2-Dibromoethane	10.0	9.8	98	82-116	
Chlorobenzene	10.0	9.8	98	86-114	
1,1,1,2-Tetrachloroethane	10.0	9.5	95	79-122	
Ethylbenzene	10.0	10.0	100	86-116	
Xylene (total)	30.0	29.5	98	85-117	
Styrene	10.0	10.0	100	84-119	
Bromoform	10.0	9.0	90	71-133	
Isopropylbenzene	10.0	10.2	102	77-117	
1,1,2,2-Tetrachloroethane	10.0	9.6	96	80-117	
Bromobenzene	10.0	9.9	99	84-120	
1,2,3-Trichloropropane	10.0	9.6	96	81-122	E4
n-Propylbenzene	10.0	10.1	101	87-117	
2-Chlorotoluene	10.0	10.1	101	87-119	
1,3,5-Trimethylbenzene	10.0	10.1	101	83-120	
4-Chlorotoluene	10.0	10.0	100	86-118	
tert-Butylbenzene	10.0	8.7	87	82-122	
1,2,4-Trimethylbenzene	10.0	10.2	102	86-121	
sec-Butylbenzene	10.0	10.6	106	84-128	
1,3-Dichlorobenzene	10.0	9.9	99	85-119	
p-Isopropyltoluene	10.0	10.1	101	84-121	
1,4-Dichlorobenzene	10.0	9.9	99	84-118	
n-Butylbenzene	10.0	9.8	98	81-123	
1,2-Dichlorobenzene	10.0	10.0	100	85-117	
1,2-Dibromo-3-chloropropane	40.0	35.8	90	67-121	
1,2,4-Trichlorobenzene	10.0	9.5	95	69-128	
Hexachlorobutadiene	10.0	9.8	98	71-135	
Naphthalene	10.0	9.7	97	60-131	
1,2,3-Trichlorobenzene	10.0	9.2	92	69-130	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

LCS ID: M1212W01LCS Concentration Units (ug/L or mg/kg): UG/L

Date Extracted: _____ Date Analyzed: 12/12/06

Initial Calibration ID: 12/05/06MSM

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	102	82-124	
Dibromofluoromethane - SS	100	84-127	
Toluene-d8 - SS	98	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

LCS ID: M1212W01LCSD

Concentration Units (ug/L or mg/kg): UG/L

Date Extracted: _____ Date Analyzed: 12/12/06

Initial Calibration ID: 12/05/06MSM

Analyte	Expected	Found	%R	Control Limits	Q
Dichlorodifluoromethane	10.0	12.8	128	27-158	
Chloromethane	10.0	11.3	113	51-137	
Vinyl chloride	10.0	11.1	111	57-137	
Bromomethane	10.0	11.4	114	44-156	
Chloroethane	10.0	11.3	113	60-140	
Trichlorofluoromethane	10.0	11.9	119	54-146	
1,1-Dichloroethene	10.0	10.8	108	70-130	
Acetone	50.0	49.9	100	55-137	
Carbon disulfide	10.0	10.2	102	50-127	
Methylene chloride	10.0	10.0	100	73-121	
Iodomethane	10.0	9.4	94	50-150	E4
trans-1,2-Dichloroethene	10.0	9.8	98	74-124	
Tert-butylmethylether	10.0	9.9	99	75-119	
1,1-Dichloroethane	10.0	9.8	98	78-121	
Vinyl acetate	10.0	10.8	108	52-129	E4
2,2-Dichloropropane	10.0	10.0	100	61-137	
cis-1,2-Dichloroethene	10.0	10.3	103	80-118	
2-Butanone	50.0	50.8	102	76-122	
Bromochloromethane	10.0	10.0	100	82-118	
Chloroform	10.0	9.7	97	73-125	
1,1,1-Trichloroethane	10.0	9.8	98	76-124	
1,1-Dichloropropene	10.0	10.1	101	80-119	
Carbon tetrachloride	10.0	10.0	100	68-135	
Benzene	10.0	10.1	101	81-119	
1,2-Dichloroethane	10.0	9.9	99	75-122	
Trichloroethene	10.0	9.9	99	79-118	
1,2-Dichloropropane	10.0	9.8	98	82-115	
Dibromomethane	10.0	10.0	100	84-116	
Bromodichloromethane	10.0	10.0	100	81-122	
cis-1,3-Dichloropropene	10.0	10.4	104	78-118	
4-methyl-2-pentanone	50.0	52.5	105	81-127	
Toluene	10.0	9.8	98	83-116	
trans-1,3-Dichloropropene	10.0	9.9	99	73-122	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

LCS ID: M1212W01LCSD

Concentration Units (ug/L or mg/kg): UG/L

Date Extracted: _____ Date Analyzed: 12/12/06

Initial Calibration ID: 12/05/06MSM

Analyte	Expected	Found	%R	Control Limits	Q
1,1,2-Trichloroethane	10.0	9.3	93	83-120	
Tetrachloroethene	10.0	10.1	101	82-118	
1,3-Dichloropropane	10.0	10.0	100	82-119	
2-Hexanone	50.0	50.8	102	81-130	
Dibromochloromethane	10.0	9.9	99	79-124	
1,2-Dibromoethane	10.0	10.1	101	82-116	
Chlorobenzene	10.0	10.0	100	86-114	
1,1,1,2-Tetrachloroethane	10.0	9.8	98	79-122	
Ethylbenzene	10.0	10.1	101	86-116	
Xylene (total)	30.0	30.2	101	85-117	
Styrene	10.0	10.3	103	84-119	
Bromoform	10.0	9.6	96	71-133	
Isopropylbenzene	10.0	10.4	104	77-117	
1,1,2,2-Tetrachloroethane	10.0	10.0	100	80-117	
Bromobenzene	10.0	10.1	101	84-120	
1,2,3-Trichloropropane	10.0	9.8	98	81-122	E4
n-Propylbenzene	10.0	10.0	100	87-117	
2-Chlorotoluene	10.0	10.1	101	87-119	
1,3,5-Trimethylbenzene	10.0	9.9	99	83-120	
4-Chlorotoluene	10.0	10.0	100	86-118	
tert-Butylbenzene	10.0	8.9	89	82-122	
1,2,4-Trimethylbenzene	10.0	10.2	102	86-121	
sec-Butylbenzene	10.0	10.6	106	84-128	
1,3-Dichlorobenzene	10.0	10.0	100	85-119	
p-Isopropyltoluene	10.0	10.1	101	84-121	
1,4-Dichlorobenzene	10.0	10.0	100	84-118	
n-Butylbenzene	10.0	9.8	98	81-123	
1,2-Dichlorobenzene	10.0	9.9	99	85-117	
1,2-Dibromo-3-chloropropane	40.0	37.8	94	67-121	
1,2,4-Trichlorobenzene	10.0	9.2	92	69-128	
Hexachlorobutadiene	10.0	9.6	96	71-135	
Naphthalene	10.0	9.7	97	60-131	
1,2,3-Trichlorobenzene	10.0	8.9	89	69-130	

Comments:

LABORATORY CONTROL SAMPLE

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

LCS ID: M1212W01LCSD Concentration Units (ug/L or mg/kg): UG/L

Date Extracted: _____ Date Analyzed: 12/12/06

Initial Calibration ID: 12/05/06MSM[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	99	82-124	
Dibromofluoromethane - SS	100	84-127	
Toluene-d8 - SS	99	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE/LABORATORY CONTROL SAMPLE DUPLICATE

Analytical Method: SW8260 AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Concentration Units (ug/L or mg/kg): UG/L %Solids:

Parent Field Sample ID: M1211W01 BS ID: M1211W01LCS BSD ID: M1211W01LCSD

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicate Spike Sample Result	%R	%RPD	Control Limits %RPD	Control Limits %R	Q
Dichlorodifluoromethane		10.0	12.9	129	12.6	126	2	20	27-158	
Chloromethane		10.0	10.9	109	10.6	106	3	20	51-137	
Vinyl chloride		10.0	11.0	110	10.8	108	2	20	57-137	
Bromomethane		10.0	10.9	109	11.2	112	3	20	44-156	
Chloroethane		10.0	10.6	106	10.9	109	3	20	60-140	
Trichlorofluoromethane		10.0	11.9	119	12.0	120	1	20	54-146	
1,1-Dichloroethene		10.0	10.8	108	11.1	111	3	20	70-130	
Acetone		50.0	48.6	97	45.4	91	7	20	55-137	
Carbon disulfide		10.0	10.2	102	10.2	102	0	20	50-127	
Methylene chloride		10.0	9.9	99	9.6	96	3	20	73-121	
Iodomethane		10.0	9.5	95	9.5	95	0	20	50-150	E4
trans-1,2-Dichloroethene		10.0	9.6	96	9.7	97	1	20	74-124	
Tert-butylmethylether		10.0	9.9	99	9.9	99	0	20	75-119	
1,1-Dichloroethane		10.0	9.8	98	9.7	97	1	20	78-121	
Vinyl acetate		10.0	11.2	112	11.1	111	1	20	52-129	E4
2,2-Dichloropropane		10.0	9.9	99	10.0	100	1	20	61-137	
cis-1,2-Dichloroethene		10.0	10.0	100	10.2	102	2	20	80-118	
2-Butanone		50.0	49.7	99	49.0	98	1	20	76-122	
Bromochloromethane		10.0	9.7	97	9.8	98	1	20	82-118	
Chloroform		10.0	9.7	97	9.6	96	1	20	73-125	
1,1,1-Trichloroethane		10.0	9.8	98	9.9	99	1	20	76-124	
1,1-Dichloropropene		10.0	10.2	102	10.2	102	0	20	80-119	
Carbon tetrachloride		10.0	10.6	106	10.7	107	1	20	68-135	
Benzene		10.0	10.1	101	10.0	100	1	20	81-119	
1,2-Dichloroethane		10.0	9.7	97	9.6	96	1	20	75-122	
Trichloroethene		10.0	9.7	97	9.9	99	2	20	79-118	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE/LABORATORY CONTROL SAMPLE DUPLICATE

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Concentration Units (ug/L or mg/kg): UG/L

%Solids:

Parent Field Sample ID: M1211W01

BS ID: M1211W01LCS

BSD ID: M1211W01LCSD

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicate Spike Sample Result	%R	%RPD	Control Limits %RPD	Control Limits %R	Q
1,2-Dichloropropane		10.0	9.6	96	9.6	96	0	20	82-115	
Dibromomethane		10.0	9.9	99	9.9	99	0	20	84-116	
Bromodichloromethane		10.0	10.4	104	10.5	105	1	20	81-122	
cis-1,3-Dichloropropene		10.0	10.4	104	10.3	103	1	20	78-118	
4-methyl-2-pentanone		50.0	50.9	102	51.4	103	1	20	81-127	
Toluene		10.0	9.9	99	9.7	97	2	20	83-116	
trans-1,3-Dichloropropene		10.0	10.5	105	10.4	104	1	20	73-122	
1,1,2-Trichloroethane		10.0	10.0	100	9.9	99	1	20	83-120	
Tetrachloroethene		10.0	10.4	104	10.2	102	2	20	82-118	
1,3-Dichloropropane		10.0	10.0	100	9.9	99	1	20	82-119	
2-Hexanone		50.0	50.4	101	50.1	100	0	20	81-130	
Dibromochloromethane		10.0	11.3	113	11.1	111	2	20	79-124	
1,2-Dibromoethane		10.0	10.2	102	10.0	100	2	20	82-116	
Chlorobenzene		10.0	10.1	101	10.0	100	1	20	86-114	
1,1,1,2-Tetrachloroethane		10.0	10.5	105	10.4	104	1	20	79-122	
Ethylbenzene		10.0	10.4	104	10.2	102	2	20	86-116	
Xylene (total)		30.0	31.1	104	30.3	101	3	20	85-117	
Styrene		10.0	10.4	104	10.2	102	2	20	84-119	
Bromoform		10.0	11.2	112	10.7	107	4	20	71-133	
Isopropylbenzene		10.0	10.7	107	10.4	104	3	20	77-117	
1,1,2,2-Tetrachloroethane		10.0	9.8	98	10.1	101	3	20	80-117	
Bromobenzene		10.0	10.1	101	9.9	99	2	20	84-120	
1,2,3-Trichloropropane		10.0	9.6	96	9.7	97	1	20	81-122	E4
n-Propylbenzene		10.0	10.2	102	10.1	101	1	20	87-117	
2-Chlorotoluene		10.0	10.1	101	10.0	100	1	20	87-119	
1,3,5-Trimethylbenzene		10.0	10.3	103	10.0	100	3	20	83-120	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE/LABORATORY CONTROL SAMPLE DUPLICATE

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Concentration Units (ug/L or mg/kg): UG/L

%Solids: _____

Parent Field Sample ID: M1212W01

BS ID: M1212W01LCS

BSD ID: M1212W01LCSD

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicate Spike Sample Result	%R	%RPD	Control Limits %RPD	Control Limits %R	Q
Dichlorodifluoromethane		10.0	11.9	119	12.8	128	7	20	27-158	
Chloromethane		10.0	10.8	108	11.3	113	4	20	51-137	
Vinyl chloride		10.0	10.5	105	11.1	111	6	20	57-137	
Bromomethane		10.0	11.1	111	11.4	114	3	20	44-156	
Chloroethane		10.0	10.6	106	11.3	113	6	20	60-140	
Trichlorofluoromethane		10.0	10.8	108	11.9	119	10	20	54-146	
1,1-Dichloroethene		10.0	10.8	108	10.8	108	0	20	70-130	
Acetone		50.0	45.9	92	49.9	100	8	20	55-137	
Carbon disulfide		10.0	10.0	100	10.2	102	2	20	50-127	
Methylene chloride		10.0	9.8	98	10.0	100	2	20	73-121	
Iodomethane		10.0	9.3	93	9.4	94	1	20	50-150	E4
trans-1,2-Dichloroethene		10.0	9.5	95	9.8	98	3	20	74-124	
Tert-butylmethylether		10.0	9.8	98	9.9	99	1	20	75-119	
1,1-Dichloroethane		10.0	9.6	96	9.8	98	2	20	78-121	
Vinyl acetate		10.0	10.8	108	10.8	108	0	20	52-129	E4
2,2-Dichloropropane		10.0	10.0	100	10.0	100	0	20	61-137	
cis-1,2-Dichloroethene		10.0	10.1	101	10.3	103	2	20	80-118	
2-Butanone		50.0	47.8	96	50.8	102	6	20	76-122	
Bromochloromethane		10.0	9.5	95	10.0	100	5	20	82-118	
Chloroform		10.0	9.4	94	9.7	97	3	20	73-125	
1,1,1-Trichloroethane		10.0	9.6	96	9.8	98	2	20	76-124	
1,1-Dichloropropene		10.0	9.8	98	10.1	101	3	20	80-119	
Carbon tetrachloride		10.0	9.6	96	10.0	100	4	20	68-135	
Benzene		10.0	10.0	100	10.1	101	1	20	81-119	
1,2-Dichloroethane		10.0	9.6	96	9.9	99	3	20	75-122	
Trichloroethene		10.0	9.7	97	9.9	99	2	20	79-118	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE/LABORATORY CONTROL SAMPLE DUPLICATE

Analytical Method: SW8260 AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Concentration Units (ug/L or mg/kg): UG/L %Solids:

Parent Field Sample ID: M1212W01 BS ID: M1212W01LCS BSD ID: M1212W01LCSD

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicate Spike Sample Result	%R	%RPD	Control Limits %RPD	Control Limits %R	Q
1,2-Dichloropropane		10.0	9.6	96	9.8	98	2	20	82-115	
Dibromomethane		10.0	9.9	99	10.0	100	1	20	84-116	
Bromodichloromethane		10.0	9.7	97	10.0	100	3	20	81-122	
cis-1,3-Dichloropropene		10.0	10.1	101	10.4	104	3	20	78-118	
4-methyl-2-pentanone		50.0	49.1	98	52.5	105	7	20	81-127	
Toluene		10.0	9.5	95	9.8	98	3	20	83-116	
trans-1,3-Dichloropropene		10.0	9.8	98	9.9	99	1	20	73-122	
1,1,2-Trichloroethane		10.0	9.8	98	9.3	93	5	20	83-120	
Tetrachloroethene		10.0	10.0	100	10.1	101	1	20	82-118	
1,3-Dichloropropane		10.0	9.8	98	10.0	100	2	20	82-119	
2-Hexanone		50.0	47.0	94	50.8	102	8	20	81-130	
Dibromochloromethane		10.0	9.6	96	9.9	99	3	20	79-124	
1,2-Dibromoethane		10.0	9.8	98	10.1	101	3	20	82-116	
Chlorobenzene		10.0	9.8	98	10.0	100	2	20	86-114	
1,1,1,2-Tetrachloroethane		10.0	9.5	95	9.8	98	3	20	79-122	
Ethylbenzene		10.0	10.0	100	10.1	101	1	20	86-116	
Xylene (total)		30.0	29.5	98	30.2	101	2	20	85-117	
Styrene		10.0	10.0	100	10.3	103	3	20	84-119	
Bromoform		10.0	9.0	90	9.6	96	6	20	71-133	
Isopropylbenzene		10.0	10.2	102	10.4	104	2	20	77-117	
1,1,2,2-Tetrachloroethane		10.0	9.6	96	10.0	100	4	20	80-117	
Bromobenzene		10.0	9.9	99	10.1	101	2	20	84-120	
1,2,3-Trichloropropane		10.0	9.6	96	9.8	98	2	20	81-122	E4
n-Propylbenzene		10.0	10.1	101	10.0	100	1	20	87-117	
2-Chlorotoluene		10.0	10.1	101	10.1	101	0	20	87-119	
1,3,5-Trimethylbenzene		10.0	10.1	101	9.9	99	2	20	83-120	

Comments:

Parent Field Sample ID: M1212W01 BS ID: M1212W01LCS BSD ID: M1212W01LCSD

ORGANIC ANALYSES DATA SHEET 10
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Instrument ID #: MSM DB-624

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Laboratory File ID	Date Analysis Started	Time Analysis Started	Date Analysis Completed	Time Analysis Completed
VSTD00.5	M065370	12/05/06	1545	12/05/06	1605
VSTD001	M065371	12/05/06	1606	12/05/06	1626
VSTD005	M065372	12/05/06	1628	12/05/06	1648
VSTD010	M065373	12/05/06	1649	12/05/06	1709
VSTD020	M065374	12/05/06	1711	12/05/06	1731
VSTD050	M065375	12/05/06	1732	12/05/06	1752
VSTD100	M065376	12/05/06	1754	12/05/06	1814
VSTD150	M065377	12/05/06	1815	12/05/06	1835
QCALTSTD4	M065380	12/05/06	1920	12/05/06	1940
VSTD10M	M065436	12/11/06	1044	12/11/06	1104
M1211W01LCS	M065437	12/11/06	1106	12/11/06	1126
M1211W01LCSD	M065438	12/11/06	1127	12/11/06	1147
M1211W01	M065441	12/11/06	1232	12/11/06	1252
ASE-106A-6D2	M065442	12/11/06	1253	12/11/06	1313
ASE-107A-6D2	M065443	12/11/06	1314	12/11/06	1334
ASE-113A-6D2	M065445	12/11/06	1357	12/11/06	1417
ASE-114A-6D2	M065446	12/11/06	1419	12/11/06	1439
ASE-122A-6D2	M065447	12/11/06	1440	12/11/06	1500
ASE-124A-6D2	M065448	12/11/06	1502	12/11/06	1522
ASE-125A-6D2	M065449	12/11/06	1523	12/11/06	1543
ASE-128A-6D2	M065450	12/11/06	1544	12/11/06	1604
ASE-95A-6D2	M065451	12/11/06	1606	12/11/06	1626
ASE-96A-6D2	M065452	12/11/06	1627	12/11/06	1647
ASE-98A-6D2	M065453	12/11/06	1649	12/11/06	1709
ASE-99A-6D2	M065454	12/11/06	1710	12/11/06	1730
PL-501-6D2	M065455	12/11/06	1732	12/11/06	1752

Comments:

ORGANIC ANALYSES DATA SHEET 10
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Instrument ID #: MSM DB-624

[illegible]

Comments:

ORGANIC ANALYSES DATA SHEET APPENDIX A
SURROGATE RESULTS

Analytical Method: SW8260

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Matrix: Water

Field/QC Sample ID	S1	S2	S3	S4	S5	S6	S7	S8	Q
M1211W01LCS	102	101	102						
M1211W01LCSD	98	101	101						
M1211W01	100	98	99						
ASE-106A-6D2	100	100	100						
ASE-107A-6D2	99	99	98						
ASE-113A-6D2	99	98	99						
ASE-114A-6D2	98	98	99						
ASE-122A-6D2	100	100	100						
ASE-124A-6D2	98	100	99						
ASE-125A-6D2	99	99	99						
ASE-128A-6D2	101	99	99						
ASE-95A-6D2	101	96	100						
ASE-96A-6D2	100	100	101						
ASE-98A-6D2	101	98	100						
ASE-99A-6D2	98	98	98						
PL-501-6D2	99	98	100						
PL-502-6D2	101	99	100						
ASE-109A-6D2	100	101	100						
ASE-123A-6D2	100	98	99						
ASE-106A-6D2DL	102	101	100						
TB-120606	100	99	100						
M1212W01LCSD	99	100	99						
M1212W01LCS	102	100	98						
M1212W01	97	98	96						
ASE-95A-6D2DL	98	95	96						
ASE-96A-6D2DL	98	98	95						

S1: 4-Bromofluorobenzene - SS 82-124
 S2: Dibromofluoromethane - SS 84-127
 S3: Toluene-d8 - SS 80-117

Comments:

HPLC POLYNUCLEAR AROMATIC HYDROCARBONS

ORGANIC ANALYSES DATA PACKAGE

Analytical Method: SW8310

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Base/Command: ARIZONA DELIVERABLES

Project: Sky Harbor

Field Sample ID

Lab Sample ID

ASE-122A-6D2

D0602003-005

ASE-124A-6D2

D0602003-006

ASE-125A-6D2

D0602003-007

ASE-128A-6D2

D0602003-008

PL-502-6D2

D0602003-014

ASE-123A-6D2

D0602003-017

Comments:

I certify this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: SLC

Name: Sylvia Chen

Date: 12/20/06

Title: Scientist

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8310 Preparatory Method: SW3520 AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-122A-6D2 Lab Sample ID: D0602003-005 Matrix: Water

% Solids: _____ Initial Calibration ID: 11/02/06LCI

Date Received: 12/08/06 Date Extracted: 12/11/06 Date Analyzed: 12/14/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 1.050 L

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Naphthalene	0.048	0.50	ND	1		
Fluorene	0.0100	0.10	ND	1		
Phenanthrene	0.0066	0.10	ND	1		
Anthracene	0.0051	0.10	ND	1		
Fluoranthene	0.0074	0.10	ND	1		
Pyrene	0.0100	0.10	ND	1		
Benzo(a)anthracene	0.016	0.10	ND	1		
Chrysene	0.014	0.10	ND	1		
Benzo(b)fluoranthene	0.0084	0.10	ND	1		
Benzo(k)fluoranthene	0.011	0.10	ND	1		
Benzo(a)pyrene	0.014	0.10	ND	1		
Dibenzo(a,h)anthracene	0.017	0.10	ND	1		
Benzo(g,h,i)perylene	0.016	0.10	ND	1		
Indeno(1,2,3-c,d)pyrene	0.016	0.10	ND	1		
Acenaphthylene	0.19	1.0	ND	1		
Acenaphthene	0.058	0.50	ND	1		

Surrogate	Recovery	Control Limits	Qualifier
Terphenyl-d14 - SS	87	25-157	

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8310 Preparatory Method: SW3520 AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-124A-6D2 Lab Sample ID: D0602003-006 Matrix: Water

% Solids: _____ Initial Calibration ID: 11/02/06LCI

Date Received: 12/08/06 Date Extracted: 12/11/06 Date Analyzed: 12/14/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 1.010 L

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Naphthalene	0.048	0.50	ND	1		
Fluorene	0.0100	0.10	ND	1		
Phenanthrene	0.0066	0.10	ND	1		
Anthracene	0.0051	0.10	ND	1		
Fluoranthene	0.0074	0.10	ND	1		
Pyrene	0.0100	0.10	ND	1		
Benzo(a)anthracene	0.016	0.10	ND	1		
Chrysene	0.014	0.10	ND	1		
Benzo(b)fluoranthene	0.0084	0.10	ND	1		
Benzo(k)fluoranthene	0.011	0.10	ND	1		
Benzo(a)pyrene	0.014	0.10	ND	1		
Dibenzo(a,h)anthracene	0.017	0.10	ND	1		
Benzo(g,h,i)perylene	0.016	0.10	ND	1		
Indeno(1,2,3-c,d)pyrene	0.016	0.10	ND	1		
Acenaphthylene	0.19	1.0	ND	1		
Acenaphthene	0.058	0.50	ND	1		

Surrogate	Recovery	Control Limits	Qualifier
Terphenyl-d14 - SS	98	25-157	

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8310 Preparatory Method: SW3520 AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-125A-6D2 Lab Sample ID: D0602003-007 Matrix: Water

% Solids: _____ Initial Calibration ID: 11/02/06LCI

Date Received: 12/08/06 Date Extracted: 12/11/06 Date Analyzed: 12/14/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 1.040 L

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Naphthalene	0.048	0.50	ND	1		
Fluorene	0.0100	0.10	ND	1		
Phenanthrene	0.0066	0.10	ND	1		
Anthracene	0.0051	0.10	ND	1		
Fluoranthene	0.0074	0.10	ND	1		
Pyrene	0.0100	0.10	ND	1		
Benzo(a)anthracene	0.016	0.10	ND	1		
Chrysene	0.014	0.10	ND	1		
Benzo(b)fluoranthene	0.0084	0.10	ND	1		
Benzo(k)fluoranthene	0.011	0.10	ND	1		
Benzo(a)pyrene	0.014	0.10	ND	1		
Dibenzo(a,h)anthracene	0.017	0.10	ND	1		
Benzo(g,h,i)perylene	0.016	0.10	ND	1		
Indeno(1,2,3-c,d)pyrene	0.016	0.10	ND	1		
Acenaphthylene	0.19	1.0	ND	1		
Acenaphthene	0.058	0.50	ND	1		

Surrogate	Recovery	Control Limits	Qualifier
Terphenyl-d14 - SS	85	25-157	

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8310 Preparatory Method: SW3520 AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-128A-6D2 Lab Sample ID: D0602003-008 Matrix: Water

% Solids: _____ Initial Calibration ID: 11/02/06LCI

Date Received: 12/08/06 Date Extracted: 12/11/06 Date Analyzed: 12/14/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 1.040 L

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Naphthalene	0.048	0.50	0.069	1		E4
Fluorene	0.0100	0.10	ND	1		
Phenanthrene	0.0066	0.10	ND	1		
Anthracene	0.0051	0.10	ND	1		
Fluoranthene	0.0074	0.10	ND	1		
Pyrene	0.0100	0.10	ND	1		
Benzo(a)anthracene	0.016	0.10	ND	1		
Chrysene	0.014	0.10	ND	1		
Benzo(b)fluoranthene	0.0084	0.10	ND	1		
Benzo(k)fluoranthene	0.011	0.10	ND	1		
Benzo(a)pyrene	0.014	0.10	ND	1		
Dibenzo(a,h)anthracene	0.017	0.10	ND	1		
Benzo(g,h,i)perylene	0.016	0.10	ND	1		
Indeno(1,2,3-c,d)pyrene	0.016	0.10	ND	1		
Acenaphthylene	0.19	1.0	ND	1		
Acenaphthene	0.058	0.50	ND	1		

Surrogate	Recovery	Control Limits	Qualifier
Terphenyl-d14 - SS	91	25-157	

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8310 Preparatory Method: SW3520 AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: PL-502-6D2 Lab Sample ID: D0602003-014 Matrix: Water

% Solids: _____ Initial Calibration ID: 11/02/06LCI

Date Received: 12/08/06 Date Extracted: 12/11/06 Date Analyzed: 12/14/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 1.050 L

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Naphthalene	0.048	0.50	ND	1		
Fluorene	0.0100	0.10	ND	1		
Phenanthrene	0.0066	0.10	0.013	1		E4
Anthracene	0.0051	0.10	ND	1		
Fluoranthene	0.0074	0.10	ND	1		
Pyrene	0.0100	0.10	0.11	1	0.024	C6
Benzo(a)anthracene	0.016	0.10	ND	1		
Chrysene	0.014	0.10	ND	1		
Benzo(b)fluoranthene	0.0084	0.10	ND	1		
Benzo(k)fluoranthene	0.011	0.10	ND	1		
Benzo(a)pyrene	0.014	0.10	0.019	1		E4
Dibenzo(a,h)anthracene	0.017	0.10	ND	1		
Benzo(g,h,i)perylene	0.016	0.10	0.024	1		E4
Indeno(1,2,3-c,d)pyrene	0.016	0.10	0.018	1		E4
Acenaphthylene	0.19	1.0	ND	1		
Acenaphthene	0.058	0.50	ND	1		

Surrogate	Recovery	Control Limits	Qualifier
Terphenyl-d14 - SS	88	25-157	

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8310 Preparatory Method: SW3520 AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-123A-6D2 Lab Sample ID: D0602003-017 Matrix: Water

% Solids: _____ Initial Calibration ID: 11/02/06LCI

Date Received: 12/08/06 Date Extracted: 12/11/06 Date Analyzed: 12/14/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 1.050 L

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Naphthalene	0.048	0.50	ND	1		
Fluorene	0.0100	0.10	ND	1		
Phenanthrene	0.0066	0.10	ND	1		
Anthracene	0.0051	0.10	ND	1		
Fluoranthene	0.0074	0.10	ND	1		
Pyrene	0.0100	0.10	ND	1		
Benzo(a)anthracene	0.016	0.10	ND	1		
Chrysene	0.014	0.10	ND	1		
Benzo(b)fluoranthene	0.0084	0.10	ND	1		
Benzo(k)fluoranthene	0.011	0.10	ND	1		
Benzo(a)pyrene	0.014	0.10	ND	1		
Dibenzo(a,h)anthracene	0.017	0.10	ND	1		
Benzo(g,h,i)perylene	0.016	0.10	ND	1		
Indeno(1,2,3-c,d)pyrene	0.016	0.10	ND	1		
Acenaphthylene	0.19	1.0	ND	1		
Acenaphthene	0.058	0.50	ND	1		

Surrogate	Recovery	Control Limits	Qualifier
Terphenyl-d14 - SS	93	25-157	

Comments:

ORGANIC ANALYSES DATA SHEET 6
BLANKS

Analytical Method: SW8310 AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Concentration Units (ug/L or mg/kg): UG/L Method Blank ID: NWB11211

Lab Sample ID: NWB11211

Initial Calibration ID: 11/02/06LCI

Analyte	MDL	Method Blank	RL	Q
Naphthalene	0.048	ND	0.50	
Fluorene	0.0100	ND	0.10	
Phenanthrene	0.0066	ND	0.10	
Anthracene	0.0051	ND	0.10	
Fluoranthene	0.0074	ND	0.10	
Pyrene	0.0100	ND	0.10	
Benzo(a)anthracene	0.016	ND	0.10	
Chrysene	0.014	ND	0.10	
Benzo(b)fluoranthene	0.0084	ND	0.10	
Benzo(k)fluoranthene	0.011	ND	0.10	
Benzo(a)pyrene	0.014	ND	0.10	
Dibenzo(a,h)anthracene	0.017	ND	0.10	
Benzo(g,h,i)perylene	0.016	ND	0.10	
Indeno(1,2,3-c,d)pyrene	0.016	ND	0.10	
Acenaphthylene	0.19	ND	1.0	
Acenaphthene	0.058	ND	0.50	

Surrogate	Recovery	Control Limits	Qualifier
Terphenyl-d14 - SS	86	25-157	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: SW8310

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

LCS ID: NWB11211LCS

Concentration Units (ug/L or mg/kg): UG/L

Date Extracted: 12/11/06

Date Analyzed: 12/14/06

Initial Calibration ID: 11/02/06LC1

Analyte	Expected	Found	%R	Control Limits	Q
Naphthalene	20.00	15.86	79	33-120	
Fluorene	4.000	3.585	90	53-125	
Phenanthrene	2.000	1.754	88	40-120	
Anthracene	2.000	1.670	84	54-125	
Fluoranthene	2.000	1.757	88	42-125	
Pyrene	2.000	1.855	93	55-125	
Benzo(a)anthracene	2.000	1.729	86	39-135	
Chrysene	2.000	1.872	94	59-134	
Benzo(b)fluoranthene	2.000	1.766	88	31-137	
Benzo(k)fluoranthene	2.000	1.809	90	60-129	
Benzo(a)pyrene	2.000	1.701	85	52-125	
Dibenzo(a,h)anthracene	4.000	3.442	86	51-125	
Benzo(g,h,i)perylene	4.000	3.370	84	34-120	
Indeno(1,2,3-c,d)pyrene	2.000	1.843	92	55-125	
Acenaphthene	20.00	16.39	82	43-130	
Acenaphthylene	40.00	32.01	80	40-121	

Surrogate	Recovery	Control Limits	Qualifier
Terphenyl-d14 - SS	82	25-157	

Comments:

ORGANIC ANALYSES DATA SHEET 10
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: SW8310

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Instrument ID #: LCI FL

[illegible]

Comments:

ORGANIC ANALYSES DATA SHEET 10
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: SW8310

AAB #: D0602003

Lab Name: Columbia Analytical Services/Redding

Instrument ID #: LCI UV

[illegible]

Comments:

ORGANIC ANALYSES DATA SHEET APPENDIX A
SURROGATE RESULTS

Analytical Method: SW8310

AAB #: D0602003

Lab Name: Columbia Analytical Services/ReddingMatrix: Water[illegible]

S1: Terphenyl-d14 - SS

25-157

Comments:

December 26, 2006

Service Request No: D0602022

Shane Lowe
CH2M Hill
2625 S. Plaza Drive
Suite 300
Tempe, AZ 85282

RE: Sky Harbor/2959482

Dear Shane:

Enclosed are the results of the sample(s) submitted to our laboratory on December 9, 2006. For your reference, these analyses have been assigned our service request number D0602022.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAP standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please call if you have any questions. My extension is 105. You may also contact me via email at MFesler@redding.caslab.com.

Respectfully submitted,

Columbia Analytical Services, Inc.



Mark Fesler
Project Chemist

CC: Terri Krauss

Page 1 of 121

Current CAS Redding Accreditation Programs

Federal and National Programs

- U.S Air Force, Air Force Center for Environmental Excellence (AFCEE)
Approved laboratory for Wastewater and Hazardous Waste
- U.S. Army Corps of Engineers – MRD, HTRW Mandatory Center of Expertise
Validated for Wastewater and Hazardous Waste
- Department of the Navy, Naval Facilities Engineering Service Center (NFESC)
Approved laboratory for Wastewater and Hazardous Waste

State and Local Programs

- State of Alaska, Department of Environmental Conservation
Approved Laboratory for Contaminated Sites
Lab ID UST-001
- State of Arizona, Department of Health Services, Office of Laboratory Licensure
Approved Laboratory for Drinking Water, Wastewater, and Hazardous Waste
Lab ID AZ0604
- State of California, Department of Health Services, National Environmental Laboratory Accreditation Program (NELAP)
Approved Laboratory for Drinking Water, Wastewater and Hazardous Waste
Lab ID 01105CA
 - Los Angeles County Sanitation District
Approved Laboratory for Wastewater
Lab ID 10243
- State of California, Department of Health Services, Environmental Laboratory Accreditation Program (ELAP)
Approved Laboratory for Microbiology of Drinking Water and Wastewater
Lab ID 2635
- State of Florida, Department of Health, Bureau of Laboratories (NELAP)
Approved Environmental Testing Laboratory for Wastewater and Hazardous Waste
Lab ID E87203
- State of Kansas, Department of Health and Environment (NELAP)
Approved Laboratory for Hazardous Waste
Lab ID E-10323
- State of Massachusetts, Department of Environmental Protection
Approved laboratory for Drinking Water and Wastewater
Lab ID M-CA025
- State of Oklahoma, Department of Environmental Quality
Approved Laboratory for General Water Quality/Sludge Testing
Lab ID 9952
- State of Oregon, Environmental Laboratory Accreditation Program (ORELAP)
Approved Laboratory for Drinking Water, Wastewater, and Hazardous Waste
Lab ID CA200004
- State of Utah, Department of Health, Bureau of Laboratory Improvement (NELAP)
Approved Laboratory for Wastewater and Hazardous Waste
Lab ID QUAL1
- State of Washington, Department of Ecology
Approved Laboratory for Wastewater and Hazardous Waste
Lab ID C1234
- State of Wisconsin, Department of Natural Resources
Approved Laboratory for Wastewater and Hazardous Waste
Lab ID 999767340

Arizona Data Qualifiers

Revision 2.0, 11/26/2003

Developed by the Sub-committee of the
Arizona Environmental Laboratory Advisory Committee

Microbiology:

- A1 = Too numerous to count.
- A2 = Sample incubation period exceeded method requirement.
- A3 = Sample incubation period was shorter than method requirement.
- A4 = Target organism detected in associated method blank.
- A5 = Incubator/water bath temperature was outside method requirements.
- A6 = Target organism not detected in associated positive control.
- A7 = Micro sample received without adequate headspace.

Method/calibration blank:

- B1 = Target analyte detected in method blank at or above the method reporting limit.
- B2 = Non-target analyte detected in method blank and sample, producing interference.
- B3 = Target analyte detected in calibration blank at or above the method reporting limit.
- B4 = Target analyte detected in blank at/above method acceptance criteria.
- B5 = Target analyte detected in method blank at or above the method reporting limit, but below trigger level or MCL.
- B6 = Target analyte detected in calibration blank at or above the method reporting limit, but below trigger level or MCL.
- B7 = Target analyte detected in method blank at or above method reporting limit. Concentration found in the sample was 10 times above the concentration found in the method blank.

Confirmation:

- C1 = Confirmatory analysis not performed as required by the method.
- C3 = Qualitative confirmation performed.
- C4 = Confirmatory analysis was past holding time.
- C5 = Confirmatory analysis was past holding time. Original result not confirmed.
- C6 = Sample RPD between the primary and confirmatory analysis exceeded 40%. Per EPA Method 8000B, the higher value was reported as there was no obvious chromatographic interference.
- C7 = Sample RPD between the primary and confirmatory analysis exceeded 40%. Per EPA Method 8000B, the lower value was reported due to apparent chromatographic interference.

Dilution:

- D1 = Sample required dilution due to matrix.
- D2 = Sample required dilution due to high concentration of target analyte.
- D3 = Sample dilution required due to insufficient sample.
- D4 = Minimum reporting level (MRL) adjusted to reflect sample amount received and analyzed.

Estimated concentration:

- E1 = Concentration estimated. Analyte exceeded calibration range. Reanalysis not possible due to insufficient sample.
- E2 = Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to sample matrix.
- E3 = Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to holding time requirements.

- E4 = Concentration estimated. Analyte was detected below laboratory minimum reporting level (MRL).
- E5 = Concentration estimated. Analyte was detected below laboratory minimum reporting level (MRL), but not confirmed by alternate analysis.
- E6 = Concentration estimated. Internal standard recoveries did not meet method acceptance criteria.
- E7 = Concentration estimated. Internal standard recoveries did not meet laboratory acceptance criteria.
- E8 = Analyte reported to MDL per project specification. Target analyte was not detected in the sample.

Hold time:

- H1 = Sample analysis performed past holding time.
- H2 = Initial analysis within holding time. Reanalysis for the required dilution was past holding time.
- H3 = Sample was received and analyzed past holding time.
- H4 = Sample was extracted past required extraction holding time, but analyzed within analysis holding time.

BOD:

- K1 = The sample dilutions set-up for the BOD analysis did not meet the oxygen depletion criteria of at least 2 mg/L. Any reported result is an estimated value.
- K2 = The sample dilutions set up for the BOD analysis did not meet the criteria of a residual dissolved oxygen of at least 1 mg/L. Any reported result is an estimated value.
- K4 = The seed depletion was outside the method acceptance limits. The reported result is an estimated value.
- K5 = The dilution water D.O. depletion was > 0.2 mg/L.
- K6 = Glucose/glutamic acid BOD was below method acceptance criteria.
- K7 = A discrepancy between the BOD and COD results has been verified by reanalysis of the sample for COD.
- K8 = Glucose/glutamic acid BOD was above method acceptance levels.

Laboratory fortified blank/blank spike:

- L1 = The associated blank spike recovery was above laboratory acceptance limits.
- L2 = The associated blank spike recovery was below laboratory acceptance limits.
- L3 = The associated blank spike recovery was above method acceptance limits.
- L4 = The associated blank spike recovery was below method acceptance limits.

Matrix spike:

- M1 = Matrix spike recovery was high, the method control sample recovery was acceptable.
- M2 = Matrix spike recovery was low, the method control sample recovery was acceptable.
- M3 = The accuracy of the spike recovery value is reduced since the analyte concentration in the sample is disproportionate to spike level. The method control sample recovery was acceptable.
- M4 = The analysis of the spiked sample required a dilution such that the spike concentration was diluted below the reporting limit. The method control sample recovery was acceptable.
- M5 = Analyte concentration was determined by the method of standard addition (MSA).

Arizona Data Qualifiers
Revision 2.0, 11/26/2003

M6 = Matrix spike recovery was high. Data reported per ADEQ policy 0154.000.
M7 = Matrix spike recovery was low. Data reported per ADEQ policy 0154.000.

General:

N1 = See case narrative.
N2 = See corrective action report.
N3 = The analysis meets all method requirements. See case narrative.

Sample quality:

Q1 = Sample integrity was not maintained. See case narrative.
Q2 = Sample received with headspace.
Q3 = Sample received with improper chemical preservation.
Q4 = Sample received and analyzed without chemical preservation.
Q5 = Sample received with inadequate chemical preservation, but preserved by the laboratory.
Q6 = Sample was received above recommended temperature.
Q7 = Sample inadequately dechlorinated.
Q8 = Insufficient sample received to meet method QC requirements. Batch QC requirements satisfies ADEQ policies 0154 and 0155.
Q9 = Insufficient sample received to meet method QC requirements.
Q10 = Sample received in inappropriate sample container.
Q11 = Sample is heterogeneous. Sample homogeneity could not be readily achieved using routine laboratory practices.

Duplicates:

R1 = RPD exceeded the method control limit. See case narrative.
R2 = RPD exceeded the laboratory control limit. See case narrative.
R4 = MS/MSD RPD exceeded the method control limit. Recovery met acceptance criteria.
R5 = MS/MSD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.
R6 = LFB/LFBD RPD exceeded the method control limit. Recovery met acceptance criteria.
R7 = LFB/LFBD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.
R8 = Sample RPD exceeded the method control limit.
R9 = Sample RPD exceeded the laboratory control limit.
R10 = Sample RPD between the primary and confirmatory analysis exceeded 40%. Per EPA Method 8000B, the lower value was reported due to apparent chromatographic problems.
R11 = The RPD calculation for MS/MSD does not provide useful information due to the varying sample weights when Encore samplers/methanol field preserved samples are used.

Surrogate:

S1 = Surrogate recovery was above laboratory acceptance limits, but within method acceptance limits.
S3 = Surrogate recovery was above laboratory acceptance limits, but within method acceptance limits. No target analytes were detected in the sample.
S4 = Surrogate recovery was above laboratory and method acceptance limits. No target analytes were detected in the sample.
S5 = Surrogate recovery was below laboratory acceptance limits, but within method acceptance limits.
S6 = Surrogate recovery was below laboratory and method acceptance limits. Reextraction and/or reanalysis confirms low recovery caused by matrix effect.

Arizona Data Qualifiers

Revision 2.0, 11/26/2003

- S7 = Surrogate recovery was below laboratory and method acceptance limits. Unable to confirm matrix effect.
- S8 = The analysis of the sample required a dilution such that the surrogate recovery calculation does not provide any useful information. The method control sample recovery was acceptable.
- S10 = Surrogate recovery was above laboratory and method acceptance limits. See Case narrative.
- S11 = Surrogate recovery was high. Data reported per ADEQ policy 0154.000.
- S12 = Surrogate recovery was low. Data reported per ADEQ policy 0154.000.

Method/analyte discrepancies:

- T1 = Method approved by EPA, but not yet licensed by ADHS.
- T2 = Cited ADHS licensed method does not contain this analyte as part of method compound list.
- T3 = Method not promulgated either by EPA or ADHS.
- T4 = Tentatively identified compound. Concentration is estimated and based on the closest internal standard.

Calibration verification:

- V1 = CCV recovery was above method acceptance limits. This target analyte was not detected in the sample.
- V2 = CCV recovery was above method acceptance limits. This target analyte was detected in the sample. The sample could not be reanalyzed due to insufficient sample.
- V3 = CCV recovery was above method acceptance limits. This target analyte was detected in the sample, but the sample was not reanalyzed. See case narrative.
- V4 = CCV recovery was below method acceptance limits. The sample could not be reanalyzed due to insufficient sample.
- V5 = CCV recovery after a group of samples was above acceptance limits. This target analyte was not detected in the sample. Acceptable per EPA Method 8000B.
- V6 = Data reported from one-point calibration criteria per ADEQ policy 0155.000.
- V7 = Calibration verification recovery was above the method control limit for this analyte, however the average % difference or % drift for all the analytes met method criteria.
- V8 = Calibration verification recovery was below the method control limit for this analyte, however the average % difference or % drift for all the analytes met method criteria.

Calibration:

- W1 = The % RSD for this compound was above 20%. The average % RSD for all compounds in the calibration met the 20% criteria as specified in EPA method 8000B.
- W2 = The % RSD for this compound was above 15%. The average % RSD for all compounds in the calibration met the 15% criteria as specified in EPA method 8260B/8270C.

Client:
Project: Sky Harbor/2959482

Service Request: D0602022

SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
D0602022-001	TB-120706	12/08/06	00:50
D0602022-002	ASE-126A-6D2	12/08/06	03:12
D0602022-003	ASE-97A-6D2	12/08/06	02:34
D0602022-004	BC-8B-6D2	12/08/06	09:04
D0602022-005	ASE-90A-6D2	12/08/06	02:03
D0602022-006	ASE-112A-6D2	12/08/06	00:53
D0602022-007	ASE-105A-6D2	12/08/06	01:25
D0602022-008	PL-503-6D2	12/08/06	01:35
D0602022-009	ASE-89A-6D2	12/08/06	08:35
D0602022-010	ASE-103A-6D2	12/08/06	07:48
D0602022-011	ASE-100A-6D2	12/08/06	07:05
D0602022-012	ASE-101A-6D2	12/08/06	05:51
D0602022-013	ASE-102A-6D2	12/08/06	05:05
D0602022-014	ASE-110A-6D2	12/08/06	04:00
D0602022-015	BC-7A-6D2	12/08/06	09:51
D0602022-016	ASE-127A-6D2	12/08/06	10:31

CASE NARRATIVE

COLUMBIA ANALYTICAL SERVICES, INC.

Client: Honeywell International, Incorporated
Project: Sky Harbor
Sample Matrix: Aqueous

Service Request No.: D0602022
Date Received: 12/09/06

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier II data deliverables.

Sample Receipt

16 Aqueous samples were received for analysis at Columbia Analytical Services on 12/09/06.

The following discrepancies were noted upon initial sample inspection and documented on the cooler receipt/preservation form included in this data package:

- Discrepancies were noted between the Chain of Custody (COC) and the sample containers for samples TB-120706, ASE-126A-6D2, and ASE-127A-6D2. Per client, will use the date listed on the COC

The samples were received in good condition and otherwise consistent with the accompanying chain of custody form. The samples were stored in a refrigerator at 4 degrees Celsius upon receipt at the laboratory.

TPH-Diesel and Motor Oil by EPA Method 8015B

Surrogate Recovery Exceptions:

The surrogate recoveries for Octacosane and Triacotane in sample ASE-89A-6D2 were within project requirements. However the amount recovered for both surrogates exceeded the highest calibration point in the instrument calibration. Since the surrogate recoveries were within the project requirements, no further corrective action was taken.

Volatile Organic Compounds by EPA Method 8260B

Elevated Method Reporting Limits:

Samples ASE-90A-6D2 and ASE-100A-6D2 required dilution due to the presence of elevated levels of target analytes, the reporting limits are adjusted to reflect the dilution.

Polynuclear Aromatic Hydrocarbons by EPA Method 8310

Matrix Spike Recovery Exceptions:

The recoveries of the surrogate and all analytes in the matrix spike duplicate of sample ASE-126A-6D2 were outside the lower control criteria due to an extraction error. The MSD of this sample was re-extracted three days outside holding time with good recoveries. The native and matrix spike were not re-extracted because there was insufficient sample. The results of the re-extracted MSD analysis are reported.

Approved by: _____



Date: _____

12/27/06

CHAIN OF CUSTODY DOCUMENTATION

Transwest Geochem

3725 E Atlanta Ave
Phoenix, AZ 85040
Phone 602-437-0330

Client Contact: (name, co., address)

Jennifer Holland

CH2M HILL

2625 South Plaza Dr STE 300

Tempe, AZ 85282

480-377-6287

Chain Of Custody / Analysis Request

Site Name: Sky Harbor AZ

Location of Site: Phoenix, AZ

Sampler: M. Wiese

Project Number: 2959460

Analysis Turnaround Time:

24 Hour - ☐

7 Day - ☐

14 Day - ☐

21 Day - ☐

28 Day - ☐

Sample Identification

Location ID	Field Sample ID	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Preservation Used	Use for MS / MSD	Filtered Sample	Unfiltered Sample	SW8015M	SW8260	SW8310	Lab Sample Numbers
1 TRIP BLANK	TB-120706	Dec 7 2006	00:50	BLK WATER	WATER	3	X		X					
2 BC-18	BC-18-6D2	Dec 7 2006		GW	WATER	5	X		X					
3 ASE-126A	ASE-126A-6D2	Dec 7 2006	03:12	GW	WATER	5	X		X					
4 ASE-97A	ASE-97A-6D2	Dec 8 2006	02:54	GW	WATER	5	X		X					
5 BC-8B	BC-8B-6D2	Dec 8 2006	09:04	GW	WATER	5	X		X					
6 ASE-90A	ASE-90A-6D2	Dec 8 2006	02:03	GW	WATER	5	X		X					
7 ASE-112A	ASE-112A-6D2	Dec 8 2006	00:53	GW	WATER	5	X		X					
8 ASE-105A	ASE-105A-6D2	Dec 8 2006	01:25	GW	WATER	5	X		X					
9 FIELDQC	PL-503-6D2	Dec 8 2006	01:35	GW	WATER	5	X		X					
10 ASE-89A	ASE-89A-6D2	Dec 8 2006	08:35	GW	WATER	5	X		X					
11 ASE-103A	ASE-103A-6D2	Dec 8 2006	07:48	GW	WATER	5	X		X					
12 ASE-100A	ASE-100A-6D2	Dec 8 2006	07:05	GW	WATER	5	X		X					
13 ASE-101A	ASE-101A-6D2	Dec 8 2006	05:51	GW	WATER	5	X		X					
14 ASE-102A	ASE-102A-6D2	Dec 8 2006	05:05	GW	WATER	5	X		X					
15 ASE-123A	ASE-123A-6D2	Dec 8 2006		GW	WATER	7	X		X					
16 ASE-109A	ASE-109A-6D2	Dec 8 2006		GW	WATER	5	X		X					
17 ASE-110A	ASE-110A-6D2	Dec 8 2006	04:40	GW	WTR	5	X		X					
18 BC-7A	BC-7A-6D2	Dec 8 2006	09:51	GW	WTR	5	X		X					
19 ASE-127A	ASE-127A-6D2	Dec 8 2006	10:31	GW	WTR	7	X		X					
20														
21														
22														
23														

Special Instructions: Standard TAT 10 days.

Relinquished by: <i>Rich Randall</i>	Company: <i>Aggior + Assoc</i>	Date/Time: <i>12/8/06 11:25</i>	Received by: <i>PM</i>	Company: <i>Transwest Geochem</i>
Relinquished by: <i>PM</i>	Company: <i>Transwest Geochem</i>	Date/Time: <i>12/8/06 17:00</i>	Received by: <i>UPS</i>	Company: <i>UPS</i>
Relinquished by: <i>PM</i>	Company: <i>Transwest Geochem</i>	Date/Time: <i>12/8/06 10:00</i>	Received by: <i>John R. Johnson</i>	Company: <i>EDS</i>

COOLER RECEIPT FORM

Project/Client: HONEYWELL Batch No.: _____

1. Cooler(s)/Sample(s) received on: 12/09/06 Shipped via: UPS
Shipping Bill # (s): _____ # of Coolers/Packages 5

2. Radiological Screening by: J JOHNSON Acceptable Rejected _____

3. Custody seals on outside of cooler: YES NO N/A
If yes, where? Front _____ Rear _____ Lt Side _____ Rt Side _____
Seals intact: YES NO

COOLER/SAMPLE PROCESSING

4. Sample Processing/Tagging by: JOEL JOHNSON

5. Cooler(s)/Sample(s) Temp's: 1°C 5°C 1°C 1°C 1°C
(or)
Temp. Blank (if included): _____

6. Type of packing material (circle): Ice Blue Ice Bubble Wrap Bubble Bags Zip Locks Webbing
Other: _____

7. Custody papers properly filled out (ink, signed, dated, released, etc.)? YES NO

8. Containers arrived in good condition (not broken, leaking, etc.)? YES NO

9. Samples received with adequate holding time remaining to conduct analysis? YES NO

10. Container labels complete (i.e. analysis, preservation, date/time, etc.)? YES NO

11. Container labels and tags agree with custody papers? YES NO

12. Correct types of containers used for the tests indicated? YES NO

a.) Adequate sample received? If not, note on Exception Report. YES NO

13. Containers supplied by: CAS Other _____

14. Preserved containers received with the appropriate preservative? YES NO N/A
pH: VOA's @ < 2 PER DOC (or) See pH log.

15. VOA vials free of air bubbles? YES NO N/A

16. Trip Blank preparation date: 12-01-06 CAS Other N/A

17. Volatile Soil samples: Encores or Plugs in Vials
Freezer or GC/MS Date: _____ Time: N/A

See Exception Report for discrepancies.

PROJECT

SAMPLE RECEIPT EXCEPTION REPORT

Issue Type Legend	1) Holding Time	SMO Technician / Date:	JOEL JOHNSON 12/09/06
	2) Temperature	Project Chemist / Date:	Don Moore Mark Foster 12/11/06
	3) COC/Label	Client Contact(s):	Don Moore / CH2M Hill
	4) Container		
	5) Other		
Item #	Issue Type	DESCRIPTION	
1	4	SAMPLE # 7, CONTAINER # 2 OF ASE-105A-6D2 ARRIVED BROKEN. 1L Amber for 8015 PRO/PRO	
	3	SAMPLE'S # 1 & 2 MISLABELED AS COLLECTED ON 12/07/06, IN ACTUALITY THEY WERE COLLECTED ON 12/08/06.	
	3	SAMPLE # 16 CONTAINER HAVE 12/13/06 CROSSED OUT AND 12/08/06 PUT IN.	
		<div style="border: 1px solid black; padding: 5px;"> <p align="center">Transwest Geochem 3725 E Atlanta Ave Phoenix AZ 8504 602-437-0330</p> <p>Client: Honeywell Date & Time: Dec 8</p> <p>Field Sample ID: ASE-105A-6D2 012</p> <p>Test Parameters: SW8200 SW 8015</p> <p>Container No. 5 Preservative:</p> <p>Container Type: 1-Liter Amber</p> </div>	
Corrective Actions Taken			
1	(4) Have another 1-Liter for use for 8015 PRO/PRO. Enough sample volume to proceed.		
	(3) For Lab sample - 001, - 002 will use date listed on COC (12/08/06) For Lab sample - 016, will use date listed on COC (12/08/06)		
	Client notified via email mdc 12/11/06		

TPH – Diesel and Motor Oil

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482

Service Request: D0602022

Cover Page - Organic Analysis Data Package
TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name	Lab Code	Date Collected	Date Received
ASE-126A-6D2	D0602022-002	12/08/2006	12/09/2006
ASE-97A-6D2	D0602022-003	12/08/2006	12/09/2006
BC-8B-6D2	D0602022-004	12/08/2006	12/09/2006
ASE-90A-6D2	D0602022-005	12/08/2006	12/09/2006
ASE-112A-6D2	D0602022-006	12/08/2006	12/09/2006
ASE-105A-6D2	D0602022-007	12/08/2006	12/09/2006
PL-503-6D2	D0602022-008	12/08/2006	12/09/2006
ASE-89A-6D2	D0602022-009	12/08/2006	12/09/2006
ASE-103A-6D2	D0602022-010	12/08/2006	12/09/2006
ASE-100A-6D2	D0602022-011	12/08/2006	12/09/2006
ASE-101A-6D2	D0602022-012	12/08/2006	12/09/2006
ASE-102A-6D2	D0602022-013	12/08/2006	12/09/2006
ASE-110A-6D2	D0602022-014	12/08/2006	12/09/2006
BC-7A-6D2	D0602022-015	12/08/2006	12/09/2006
ASE-127A-6D2	D0602022-016	12/08/2006	12/09/2006
ASE-126A-6D2MS	DWG0601067-1	12/08/2006	12/09/2006
ASE-126A-6D2DMS	DWG0601067-2	12/08/2006	12/09/2006

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Wida Ang

Name: WIDA ANG

Date: 12/20/06

Title: Organic Manager

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602022
Date Collected: 12/08/2006
Date Received: 12/09/2006

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: ASE-126A-6D2
Lab Code: D0602022-002
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	PQL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
C10 - C22 DRO (TPH-Diesel)	51	J	480	20	1	12/13/06	12/19/06	E4
C22 - C32 HRO (TPH-Motor Oil)	ND	U	480	30	1	12/13/06	12/19/06	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Octacosane	94	26-152	12/19/06	
Tricontane	93	40-140	12/19/06	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602022
Date Collected: 12/08/2006
Date Received: 12/09/2006

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: ASE-97A-6D2
Lab Code: D0602022-003
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	PQL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
C10 - C22 DRO (TPH-Diesel)	57	J	480	20	1	12/13/06	12/19/06	E4
C22 - C32 HRO (TPH-Motor Oil)	52	J	480	30	1	12/13/06	12/19/06	E4

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Octacosane	83	26-152	12/19/06	
Tricontane	83	40-140	12/19/06	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602022
Date Collected: 12/08/2006
Date Received: 12/09/2006

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: BC-8B-6D2
Lab Code: D0602022-004
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	PQL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
C10 - C22 DRO (TPH-Diesel)	58	J	480	20	1	12/13/06	12/19/06	E4
C22 - C32 HRO (TPH-Motor Oil)	ND	U	480	30	1	12/13/06	12/19/06	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Octacosane	96	26-152	12/19/06	
Tricontane	97	40-140	12/19/06	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602022
Date Collected: 12/08/2006
Date Received: 12/09/2006

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: ASE-90A-6D2
Lab Code: D0602022-005
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	PQL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
C10 - C22 DRO (TPH-Diesel)	1000		480	20	1	12/13/06	12/19/06	
C22 - C32 HRO (TPH-Motor Oil)	47	J	480	30	1	12/13/06	12/19/06	E4

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Octacosane	96	26-152	12/19/06	
Tricontane	95	40-140	12/19/06	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602022
Date Collected: 12/08/2006
Date Received: 12/09/2006

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: ASE-112A-6D2
Lab Code: D0602022-006
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	PQL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
C10 - C22 DRO (TPH-Diesel)	210	J	480	20	1	12/13/06	12/19/06	E4
C22 - C32 HRO (TPH-Motor Oil)	ND	U	480	30	1	12/13/06	12/19/06	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Octacosane	106	26-152	12/19/06	
Tricontane	104	40-140	12/19/06	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602022
Date Collected: 12/08/2006
Date Received: 12/09/2006

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: ASE-105A-6D2
Lab Code: D0602022-007
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	PQL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
C10 - C22 DRO (TPH-Diesel)	180	J	480	20	1	12/13/06	12/20/06	E4
C22 - C32 HRO (TPH-Motor Oil)	ND	U	480	30	1	12/13/06	12/20/06	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Octacosane	95	26-152	12/20/06	
Tricontane	94	40-140	12/20/06	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602022
Date Collected: 12/08/2006
Date Received: 12/09/2006

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: PL-503-6D2
Lab Code: D0602022-008
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	PQL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
C10 - C22 DRO (TPH-Diesel)	180	J	480	20	1	12/13/06	12/20/06	E4
C22 - C32 HRO (TPH-Motor Oil)	39	J	480	30	1	12/13/06	12/20/06	E4

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Octacosane	97	26-152	12/20/06	
Tricontane	96	40-140	12/20/06	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602022
Date Collected: 12/08/2006
Date Received: 12/09/2006

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: ASE-89A-6D2
Lab Code: D0602022-009
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	PQL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
C10 - C22 DRO (TPH-Diesel)	3100		480	20	1	12/13/06	12/20/06	
C22 - C32 HRO (TPH-Motor Oil)	39	J	480	30	1	12/13/06	12/20/06	E4

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Octacosane	129	26-152	12/20/06	E1
Tricontane	128	40-140	12/20/06	E1

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602022
Date Collected: 12/08/2006
Date Received: 12/09/2006

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: ASE-103A-6D2
Lab Code: D0602022-010
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	PQL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
C10 - C22 DRO (TPH-Diesel)	ND	U	480	20	1	12/13/06	12/20/06	
C22 - C32 HRO (TPH-Motor Oil)	ND	U	480	30	1	12/13/06	12/20/06	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Octacosane	99	26-152	12/20/06	
Tricontane	97	40-140	12/20/06	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602022
Date Collected: 12/08/2006
Date Received: 12/09/2006

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: ASE-100A-6D2
Lab Code: D0602022-011
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	PQL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
C10 - C22 DRO (TPH-Diesel)	ND	U	480	20	1	12/13/06	12/20/06	
C22 - C32 HRO (TPH-Motor Oil)	ND	U	480	30	1	12/13/06	12/20/06	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Octacosane	108	26-152	12/20/06	
Tricontane	105	40-140	12/20/06	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602022
Date Collected: 12/08/2006
Date Received: 12/09/2006

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: ASE-101A-6D2
Lab Code: D0602022-012
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	PQL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
C10 - C22 DRO (TPH-Diesel)	67	J	480	20	1	12/13/06	12/20/06	E4
C22 - C32 HRO (TPH-Motor Oil)	ND	U	480	30	1	12/13/06	12/20/06	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Octacosane	101	26-152	12/20/06	
Tricontane	100	40-140	12/20/06	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602022
Date Collected: 12/08/2006
Date Received: 12/09/2006

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: ASE-102A-6D2
Lab Code: D0602022-013
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	PQL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
C10 - C22 DRO (TPH-Diesel)	86	J	480	20	1	12/13/06	12/20/06	E4
C22 - C32 HRO (TPH-Motor Oil)	ND	U	480	30	1	12/13/06	12/20/06	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Octacosane	101	26-152	12/20/06	
Tricontane	99	40-140	12/20/06	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602022
Date Collected: 12/08/2006
Date Received: 12/09/2006

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: ASE-110A-6D2
Lab Code: D0602022-014
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	PQL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
C10 - C22 DRO (TPH-Diesel)	26	J	480	20	1	12/13/06	12/20/06	E4
C22 - C32 HRO (TPH-Motor Oil)	54	J	480	30	1	12/13/06	12/20/06	E4

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Octacosane	111	26-152	12/20/06	
Tricontane	109	40-140	12/20/06	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602022
Date Collected: 12/08/2006
Date Received: 12/09/2006

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: BC-7A-6D2
Lab Code: D0602022-015
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	PQL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
C10 - C22 DRO (TPH-Diesel)	39	J	480	20	1	12/13/06	12/20/06	E4
C22 - C32 HRO (TPH-Motor Oil)	ND	U	480	30	1	12/13/06	12/20/06	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Octacosane	83	26-152	12/20/06	
Tricontane	81	40-140	12/20/06	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602022
Date Collected: 12/08/2006
Date Received: 12/09/2006

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: ASE-127A-6D2
Lab Code: D0602022-016
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	PQL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
C10 - C22 DRO (TPH-Diesel)	56	J	480	20	1	12/13/06	12/20/06	E4
C22 - C32 HRO (TPH-Motor Oil)	ND	U	480	30	1	12/13/06	12/20/06	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Octacosane	99	26-152	12/20/06	
Tricontane	97	40-140	12/20/06	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602022
Date Collected: NA
Date Received: NA

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: Method Blank
Lab Code: DWG0601067-4
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	PQL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
C10 - C22 DRO (TPH-Diesel)	ND	U	500	20	1	12/13/06	12/19/06	
C22 - C32 HRO (TPH-Motor Oil)	ND	U	500	30	1	12/13/06	12/19/06	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Octacosane	90	26-152	12/19/06	
Tricontane	87	40-140	12/19/06	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602022

Surrogate Recovery Summary
TPH-Diesel / Motor Oil Range Organics by SW8015B

Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: PERCENT
Level: Low

<u>Sample Name</u>	<u>Lab Code</u>	<u>Sur1</u>	<u>Sur2</u>
ASE-126A-6D2	D0602022-002	94	93
ASE-97A-6D2	D0602022-003	83	83
BC-8B-6D2	D0602022-004	96	97
ASE-90A-6D2	D0602022-005	96	95
ASE-112A-6D2	D0602022-006	106	104
ASE-105A-6D2	D0602022-007	95	94
PL-503-6D2	D0602022-008	97	96
ASE-89A-6D2	D0602022-009	129	128
ASE-103A-6D2	D0602022-010	99	97
ASE-100A-6D2	D0602022-011	108	105
ASE-101A-6D2	D0602022-012	101	100
ASE-102A-6D2	D0602022-013	101	99
ASE-110A-6D2	D0602022-014	111	109
BC-7A-6D2	D0602022-015	83	81
ASE-127A-6D2	D0602022-016	99	97
Method Blank	DWG0601067-4	90	87
ASE-126A-6D2MS	DWG0601067-1	98	98
ASE-126A-6D2DMS	DWG0601067-2	103	103
Lab Control Sample	DWG0601067-3	100	97

Surrogate Recovery Control Limits (%)

Sur1 = Octacosane	26-152
Sur2 = Tricontane	40-140

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Client: Honeywell International, Incorporated
 Project: Sky Harbor/2959482
 Sample Matrix: Ground water

Service Request: D0602022
 Date Extracted: 12/13/2006
 Date Analyzed: 12/19/2006

Matrix Spike/Duplicate Matrix Spike Summary
TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: ASE-126A-6D2
 Lab Code: D0602022-002
 Extraction Method: EPA 3510C
 Analysis Method: 8015B

Units: ug/L
 Basis: NA
 Level: Low
 Extraction Lot: DWG0601067

Analyte Name	Sample Result	ASE-126A-6D2MS DWG0601067-1 Matrix Spike			ASE-126A-6D2DMS DWG0601067-2 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
C10 - C22 DRO (TPH-Diesel)	51	1900	2380	78	1990	2380	81	61-143	4	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602022
Date Extracted: 12/13/2006
Date Analyzed: 12/19/2006

Lab Control Spike Summary
TPH-Diesel / Motor Oil Range Organics by SW8015B

Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: DWG0601067

Analyte Name	Lab Control Sample DWG0601067-3 Lab Control Spike			%Rec Limits
	Result	Expected	%Rec	
C10 - C22 DRO (TPH-Diesel)	1660	2500	67	61-143
C22 - C32 HRO (TPH-Motor Oil)	1910	2500	76	60-120

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

GC/MS VOLATILE ORGANICS

ORGANIC ANALYSES DATA PACKAGE

Analytical Method: SW8260

AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

Base/Command: ARIZONA DELIVERABLES

Project: Sky Harbor

Field Sample ID

Lab Sample ID

TB-120706	D0602022-001
ASE-126A-6D2	D0602022-002
ASE-126A-6D2MS	D0602022-002MS
ASE-126A-6D2MSD	D0602022-002MSD
ASE-97A-6D2	D0602022-003
BC-8B-6D2	D0602022-004
ASE-90A-6D2	D0602022-005
ASE-112A-6D2	D0602022-006
ASE-105A-6D2	D0602022-007
PL-503-6D2	D0602022-008
ASE-89A-6D2	D0602022-009
ASE-103A-6D2	D0602022-010
ASE-100A-6D2	D0602022-011
ASE-101A-6D2	D0602022-012
ASE-102A-6D2	D0602022-013
ASE-110A-6D2	D0602022-014
BC-7A-6D2	D0602022-015
ASE-127A-6D2	D0602022-016

Comments:

I certify this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Brian Moore

Name: Brian Moore

Date: 12/14/06

Title: Technical Manager

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: TB-120706

Lab Sample ID: D0602022-001 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/09/06

Date Extracted:

Date Analyzed: 12/12/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	ND	1		
Vinyl chloride	0.22	1.0	ND	1		
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	ND	1		
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	ND	1		
Acetone	1.0	20	2.5	1		E4
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	ND	1		
1,1-Dichloroethane	0.12	2.0	ND	1		
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	ND	1		
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	ND	1		
1,1,1-Trichloroethane	0.14	2.0	ND	1		
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	ND	1		
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	ND	1		
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	ND	1		
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	ND	1		
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: TB-120706

Lab Sample ID: D0602022-001

Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/09/06

Date Extracted: _____

Date Analyzed: 12/12/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	ND	1		
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	ND	1		
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	ND	1		
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	ND	1		
Xylene (total)	0.14	10	ND	1		
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	ND	1		
Isopropylbenzene	0.17	2.0	ND	1		
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	ND	1		
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	ND	1		
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	ND	1		
1,2,4-Trimethylbenzene	0.13	2.0	ND	1		
sec-Butylbenzene	0.17	5.0	ND	1		
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	ND	1		
1,4-Dichlorobenzene	0.11	1.0	ND	1		
n-Butylbenzene	0.33	5.0	ND	1		
1,2-Dichlorobenzene	0.14	1.0	ND	1		
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		
Naphthalene	0.29	2.0	ND	1		
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2

RESULTS

Analytical Method: SW8260

AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: TB-120706

Lab Sample ID: D0602022-001 Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/09/06

Date Extracted:

Date Analyzed: 12/12/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	98	82-124	
Dibromofluoromethane - SS	97	84-127	
Toluene-d8 - SS	98	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-126A-6D2

Lab Sample ID: D0602022-002

Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/09/06

Date Extracted: _____

Date Analyzed: 12/12/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	ND	1		
Vinyl chloride	0.22	1.0	1.7	1		
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	ND	1		
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	3.0	1		
Acetone	1.0	20	ND	1		
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	2.6	1		
1,1-Dichloroethane	0.12	2.0	20	1		
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	0.86	1		E4
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	ND	1		
1,1,1-Trichloroethane	0.14	2.0	0.44	1		E4
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	0.15	1		E4
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	1.2	1		
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	ND	1		
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	ND	1		
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-126A-6D2

Lab Sample ID: D0602022-002

Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/09/06

Date Extracted:

Date Analyzed: 12/12/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	0.29	1		E4
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	ND	1		
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	ND	1		
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	ND	1		
Xylene (total)	0.14	10	ND	1		
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	ND	1		
Isopropylbenzene	0.17	2.0	0.44	1		E4
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	0.60	1		E4
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	ND	1		
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	ND	1		
1,2,4-Trimethylbenzene	0.13	2.0	0.17	1		E4
sec-Butylbenzene	0.17	5.0	0.52	1		E4
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	ND	1		
1,4-Dichlorobenzene	0.11	1.0	ND	1		
n-Butylbenzene	0.33	5.0	ND	1		
1,2-Dichlorobenzene	0.14	1.0	ND	1		
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		
Naphthalene	0.29	2.0	1.1	1		E4
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A

Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2 RESULTS

Analytical Method: SW8260

AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-126A-6D2

Lab Sample ID: D0602022-002 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/09/06

Date Extracted:

Date Analyzed: 12/12/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	94	82-124	
Dibromofluoromethane - SS	94	84-127	
Toluene-d8 - SS	96	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-97A-6D2

Lab Sample ID: D0602022-003 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/09/06

Date Extracted:

Date Analyzed: 12/12/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	ND	1		
Vinyl chloride	0.22	1.0	2.0	1		
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	ND	1		
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	2.6	1		
Acetone	1.0	20	ND	1		
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	2.5	1		
1,1-Dichloroethane	0.12	2.0	23	1		
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	0.72	1		E4
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	ND	1		
1,1,1-Trichloroethane	0.14	2.0	0.33	1		E4
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	0.44	1		E4
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	1.2	1		
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	ND	1		
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	ND	1		
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-97A-6D2

Lab Sample ID: D0602022-003 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/09/06

Date Extracted:

Date Analyzed: 12/12/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	0.33	1		E4
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	ND	1		
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	0.16	1		E4
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	ND	1		
Xylene (total)	0.14	10	ND	1		
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	ND	1		
Isopropylbenzene	0.17	2.0	0.99	1		E4
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	1.4	1		E4
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	ND	1		
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	ND	1		
1,2,4-Trimethylbenzene	0.13	2.0	ND	1		
sec-Butylbenzene	0.17	5.0	0.88	1		E4
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	ND	1		
1,4-Dichlorobenzene	0.11	1.0	ND	1		
n-Butylbenzene	0.33	5.0	ND	1		
1,2-Dichlorobenzene	0.14	1.0	ND	1		
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		
Naphthalene	0.29	2.0	2.6	1		
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2

RESULTS

Analytical Method: SW8260

AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-97A-6D2

Lab Sample ID: D0602022-003 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/09/06

Date Extracted:

Date Analyzed: 12/12/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	103	82-124	
Dibromofluoromethane - SS	101	84-127	
Toluene-d8 - SS	102	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: BC-8B-6D2

Lab Sample ID: D0602022-004 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/09/06

Date Extracted:

Date Analyzed: 12/12/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	ND	1		
Vinyl chloride	0.22	1.0	4.1	1		
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	ND	1		
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	3.5	1		
Acetone	1.0	20	1.1	1		E4
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	28	1		
1,1-Dichloroethane	0.12	2.0	25	1		
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	2.5	1		
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	ND	1		
1,1,1-Trichloroethane	0.14	2.0	0.41	1		E4
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	1.6	1		
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	1.0	1		
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	ND	1		
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	ND	1		
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: BC-8B-6D2

Lab Sample ID: D0602022-004

Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/09/06

Date Extracted: _____

Date Analyzed: 12/12/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	0.26	1		E4
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	ND	1		
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	ND	1		
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	ND	1		
Xylene (total)	0.14	10	ND	1		
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	ND	1		
Isopropylbenzene	0.17	2.0	1.8	1		E4
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	2.5	1		
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	ND	1		
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	ND	1		
1,2,4-Trimethylbenzene	0.13	2.0	ND	1		
sec-Butylbenzene	0.17	5.0	1.1	1		E4
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	ND	1		
1,4-Dichlorobenzene	0.11	1.0	ND	1		
n-Butylbenzene	0.33	5.0	ND	1		
1,2-Dichlorobenzene	0.14	1.0	ND	1		
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		
Naphthalene	0.29	2.0	2.9	1		
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2

RESULTS

Analytical Method: SW8260

AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: BC-8B-6D2

Lab Sample ID: D0602022-004 Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/09/06

Date Extracted:

Date Analyzed: 12/12/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	97	82-124	
Dibromofluoromethane - SS	96	84-127	
Toluene-d8 - SS	97	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-90A-6D2

Lab Sample ID: D0602022-005 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/09/06

Date Extracted:

Date Analyzed: 12/12/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	ND	1		
Vinyl chloride	0.22	1.0	4.4	1		
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	7.8	1		
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	ND	1		
Acetone	1.0	20	1.2	1		E4
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	200	1		
1,1-Dichloroethane	0.12	2.0	20	1		
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	1.3	1		E4
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	ND	1		
1,1,1-Trichloroethane	0.14	2.0	ND	1		
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	78	1		
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	0.24	1		E4
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	ND	1		
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	0.45	1		E4
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-90A-6D2

Lab Sample ID: D0602022-005

Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/09/06

Date Extracted: _____

Date Analyzed: 12/12/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	0.24	1		E4
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	ND	1		
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	0.21	1		E4
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	1.6	1		E4
Xylene (total)	0.14	10	0.73	1		E4
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	ND	1		
Isopropylbenzene	0.17	2.0	20	1		
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	23	1		
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	0.26	1		E4
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	0.57	1		E4
1,2,4-Trimethylbenzene	0.13	2.0	0.93	1		E4
sec-Butylbenzene	0.17	5.0	5.7	1		
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	0.51	1		E4
1,4-Dichlorobenzene	0.11	1.0	ND	1		
n-Butylbenzene	0.33	5.0	ND	1		
1,2-Dichlorobenzene	0.14	1.0	ND	1		
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		
Naphthalene	0.29	2.0	75	1		
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2

RESULTS

Analytical Method: SW8260

AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-90A-6D2

Lab Sample ID: D0602022-005 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/09/06

Date Extracted:

Date Analyzed: 12/12/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	97	82-124	
Dibromofluoromethane - SS	98	84-127	
Toluene-d8 - SS	96	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-90A-6D2DL

Lab Sample ID: D0602022-005DL Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/09/06

Date Extracted: _____

Date Analyzed: 12/12/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	14	200	ND	40		D2
Chloromethane	9.2	200	ND	40		D2
Vinyl chloride	8.8	40	ND	40		D2
Bromomethane	11	40	ND	40		D2
Chloroethane	8.0	200	ND	40		D2
Trichlorofluoromethane	5.6	200	ND	40		D2
1,1-Dichloroethene	7.6	80	ND	40		D2
Acetone	40	800	ND	40		D2
Carbon disulfide	4.4	200	ND	40		D2
Methylene chloride	6.0	200	ND	40		D2
Iodomethane	8.0	400	ND	40		D2
trans-1,2-Dichloroethene	6.4	80	ND	40		D2
Tert-butylmethylether	6.8	40	240	40		D2
1,1-Dichloroethane	4.8	80	22	40		D2E4
Vinyl acetate	34	1000	ND	40		D2
2,2-Dichloropropane	13	80	ND	40		D2
cis-1,2-Dichloroethene	6.8	80	ND	40		D2
2-Butanone	36	400	ND	40		D2
Bromochloromethane	10	200	ND	40		D2
Chloroform	5.6	80	ND	40		D2
1,1,1-Trichloroethane	5.6	80	ND	40		D2
1,1-Dichloropropene	7.2	80	ND	40		D2
Carbon tetrachloride	7.2	80	ND	40		D2
Benzene	4.8	40	89	40		D2
1,2-Dichloroethane	7.2	40	ND	40		D2
Trichloroethene	4.0	40	ND	40		D2
1,2-Dichloropropane	6.8	80	ND	40		D2
Dibromomethane	7.2	80	ND	40		D2
Bromodichloromethane	6.8	40	ND	40		D2
cis-1,3-Dichloropropene	5.2	80	ND	40		D2
4-methyl-2-pentanone	34	400	ND	40		D2
Toluene	5.6	80	ND	40		D2
trans-1,3-Dichloropropene	7.6	80	ND	40		D2

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-90A-6D2DL

Lab Sample ID: D0602022-005DL Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/09/06

Date Extracted:

Date Analyzed: 12/12/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	8.8	40	ND	40		D2
Tetrachloroethene	8.8	40	ND	40		D2
1,3-Dichloropropane	4.4	80	ND	40		D2
2-Hexanone	23	400	ND	40		D2
Dibromochloromethane	6.0	80	ND	40		D2
1,2-Dibromoethane	6.0	80	ND	40		D2
Chlorobenzene	6.0	40	ND	40		D2
1,1,1,2-Tetrachloroethane	9.2	200	ND	40		D2
Ethylbenzene	6.0	80	ND	40		D2
Xylene (total)	5.6	400	ND	40		D2
Styrene	6.4	80	ND	40		D2
Bromoform	7.2	200	ND	40		D2
Isopropylbenzene	6.8	80	22	40		D2E4
1,1,2,2-Tetrachloroethane	6.8	40	ND	40		D2
Bromobenzene	6.8	200	ND	40		D2
1,2,3-Trichloropropane	8.0	400	ND	40		D2
n-Propylbenzene	5.2	80	25	40		D2E4
2-Chlorotoluene	6.4	200	ND	40		D2
1,3,5-Trimethylbenzene	6.0	80	ND	40		D2
4-Chlorotoluene	6.4	200	ND	40		D2
tert-Butylbenzene	7.2	200	ND	40		D2
1,2,4-Trimethylbenzene	5.2	80	ND	40		D2
sec-Butylbenzene	6.8	200	7.3	40		D2E4
1,3-Dichlorobenzene	4.4	40	ND	40		D2
p-Isopropyltoluene	4.0	80	ND	40		D2
1,4-Dichlorobenzene	4.4	40	ND	40		D2
n-Butylbenzene	13	200	ND	40		D2
1,2-Dichlorobenzene	5.6	40	ND	40		D2
1,2-Dibromo-3-chloropropane	32	200	ND	40		D2
1,2,4-Trichlorobenzene	14	200	ND	40		D2
Hexachlorobutadiene	24	40	ND	40		D2
Naphthalene	12	80	210	40		D2
1,2,3-Trichlorobenzene	15	200	ND	40		D2

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2

RESULTS

Analytical Method: SW8260

AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-90A-6D2DL Lab Sample ID: D0602022-005DL Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/09/06 Date Extracted: Date Analyzed: 12/12/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	97	82-124	
Dibromofluoromethane - SS	97	84-127	
Toluene-d8 - SS	98	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-112A-6D2

Lab Sample ID: D0602022-006

Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/09/06

Date Extracted: _____

Date Analyzed: 12/12/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	ND	1		
Vinyl chloride	0.22	1.0	ND	1		
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	ND	1		
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	0.26	1		E4
Acetone	1.0	20	1.1	1		E4
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	1.9	1		
1,1-Dichloroethane	0.12	2.0	0.48	1		E4
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	ND	1		
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	ND	1		
1,1,1-Trichloroethane	0.14	2.0	ND	1		
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	6.3	1		
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	0.38	1		E4
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	ND	1		
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	0.39	1		E4
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A

Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-112A-6D2

Lab Sample ID: D0602022-006 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/09/06

Date Extracted:

Date Analyzed: 12/12/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	0.82	1		E4
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	ND	1		
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	0.37	1		E4
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	3.3	1		
Xylene (total)	0.14	10	5.7	1		E4
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	ND	1		
Isopropylbenzene	0.17	2.0	4.5	1		
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	2.6	1		
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	1.1	1		E4
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	0.54	1		E4
1,2,4-Trimethylbenzene	0.13	2.0	2.2	1		
sec-Butylbenzene	0.17	5.0	5.4	1		
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	0.57	1		E4
1,4-Dichlorobenzene	0.11	1.0	0.18	1		E4
n-Butylbenzene	0.33	5.0	1.2	1		E4
1,2-Dichlorobenzene	0.14	1.0	ND	1		
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		
Naphthalene	0.29	2.0	4.3	1		
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-112A-6D2

Lab Sample ID: D0602022-006 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/09/06

Date Extracted:

Date Analyzed: 12/12/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	92	82-124	
Dibromofluoromethane - SS	91	84-127	
Toluene-d8 - SS	91	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-105A-6D2

Lab Sample ID: D0602022-007

Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/09/06

Date Extracted:

Date Analyzed: 12/12/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	ND	1		
Vinyl chloride	0.22	1.0	ND	1		
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	ND	1		
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	ND	1		
Acetone	1.0	20	ND	1		
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	51	1		
1,1-Dichloroethane	0.12	2.0	0.53	1		E4
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	0.25	1		E4
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	ND	1		
1,1,1-Trichloroethane	0.14	2.0	ND	1		
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	59	1		
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	ND	1		
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	ND	1		
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	0.17	1		E4
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-105A-6D2

Lab Sample ID: D0602022-007

Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/09/06

Date Extracted:

Date Analyzed: 12/12/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	0.28	1		E4
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	ND	1		
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	0.20	1		E4
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	6.4	1		
Xylene (total)	0.14	10	5.0	1		E4
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	ND	1		
Isopropylbenzene	0.17	2.0	12	1		
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	2.5	1		
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	0.21	1		E4
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	0.64	1		E4
1,2,4-Trimethylbenzene	0.13	2.0	1.8	1		E4
sec-Butylbenzene	0.17	5.0	5.8	1		
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	0.20	1		E4
1,4-Dichlorobenzene	0.11	1.0	0.12	1		E4
n-Butylbenzene	0.33	5.0	ND	1		
1,2-Dichlorobenzene	0.14	1.0	ND	1		
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		
Naphthalene	0.29	2.0	6.4	1		
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-I05A-6D2

Lab Sample ID: D0602022-007 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/09/06

Date Extracted:

Date Analyzed: 12/12/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	98	82-124	
Dibromofluoromethane - SS	97	84-127	
Toluene-d8 - SS	96	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: PL-503-6D2

Lab Sample ID: D0602022-008 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/09/06

Date Extracted:

Date Analyzed: 12/12/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	ND	1		
Vinyl chloride	0.22	1.0	ND	1		
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	ND	1		
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	ND	1		
Acetone	1.0	20	ND	1		
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	49	1		
1,1-Dichloroethane	0.12	2.0	0.53	1		E4
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	0.27	1		E4
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	ND	1		
1,1,1-Trichloroethane	0.14	2.0	ND	1		
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	60	1		
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	ND	1		
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	ND	1		
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	0.24	1		E4
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: PL-503-6D2

Lab Sample ID: D0602022-008

Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/09/06

Date Extracted:

Date Analyzed: 12/12/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	0.27	1		E4
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	ND	1		
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	0.21	1		E4
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	6.7	1		
Xylene (total)	0.14	10	5.3	1		E4
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	ND	1		
Isopropylbenzene	0.17	2.0	13	1		
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	2.7	1		
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	0.22	1		E4
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	0.66	1		E4
1,2,4-Trimethylbenzene	0.13	2.0	2.0	1		
sec-Butylbenzene	0.17	5.0	5.9	1		
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	0.23	1		E4
1,4-Dichlorobenzene	0.11	1.0	ND	1		
n-Butylbenzene	0.33	5.0	ND	1		
1,2-Dichlorobenzene	0.14	1.0	ND	1		
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		
Naphthalene	0.29	2.0	6.8	1		
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A

Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: PL-503-6D2

Lab Sample ID: D0602022-008 Matrix: Water

Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/09/06

Date Extracted:

Date Analyzed: 12/12/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Sample Volume: 5.000 ML

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	99	82-124	
Dibromofluoromethane - SS	97	84-127	
Toluene-d8 - SS	98	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-89A-6D2

Lab Sample ID: D0602022-009

Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/09/06

Date Extracted:

Date Analyzed: 12/12/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	ND	1		
Vinyl chloride	0.22	1.0	1.0	1		
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	ND	1		
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	ND	1		
Acetone	1.0	20	2.3	1		E4
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	360	1		
1,1-Dichloroethane	0.12	2.0	4.6	1		
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	3.0	1		
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	ND	1		
1,1,1-Trichloroethane	0.14	2.0	ND	1		
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	210	1		
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	ND	1		
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	ND	1		
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	0.39	1		E4
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-89A-6D2

Lab Sample ID: D0602022-009

Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/09/06

Date Extracted: _____

Date Analyzed: 12/12/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	ND	1		
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	ND	1		
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	0.26	1		E4
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	3.6	1		
Xylene (total)	0.14	10	0.67	1		E4
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	ND	1		
Isopropylbenzene	0.17	2.0	36	1		
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	47	1		
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	0.75	1		E4
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	1.5	1		E4
1,2,4-Trimethylbenzene	0.13	2.0	1.6	1		E4
sec-Butylbenzene	0.17	5.0	15	1		
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	1.2	1		E4
1,4-Dichlorobenzene	0.11	1.0	ND	1		
n-Butylbenzene	0.33	5.0	8.1	1		
1,2-Dichlorobenzene	0.14	1.0	ND	1		
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		
Naphthalene	0.29	2.0	84	1		
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-89A-6D2

Lab Sample ID: D0602022-009 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/09/06

Date Extracted:

Date Analyzed: 12/12/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	98	82-124	
Dibromofluoromethane - SS	100	84-127	
Toluene-d8 - SS	96	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-89A-6D2DL

Lab Sample ID: D0602022-009DL Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/09/06

Date Extracted:

Date Analyzed: 12/12/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	14	200	ND	40		D2
Chloromethane	9.2	200	ND	40		D2
Vinyl chloride	8.8	40	ND	40		D2
Bromomethane	11	40	ND	40		D2
Chloroethane	8.0	200	ND	40		D2
Trichlorofluoromethane	5.6	200	ND	40		D2
1,1-Dichloroethene	7.6	80	ND	40		D2
Acetone	40	800	ND	40		D2
Carbon disulfide	4.4	200	ND	40		D2
Methylene chloride	6.0	200	ND	40		D2
Iodomethane	8.0	400	ND	40		D2
trans-1,2-Dichloroethene	6.4	80	ND	40		D2
Tert-butylmethylether	6.8	40	1100	40		D2
1,1-Dichloroethane	4.8	80	5.6	40		D2E4
Vinyl acetate	34	1000	ND	40		D2
2,2-Dichloropropane	13	80	ND	40		D2
cis-1,2-Dichloroethene	6.8	80	ND	40		D2
2-Butanone	36	400	ND	40		D2
Bromochloromethane	10	200	ND	40		D2
Chloroform	5.6	80	ND	40		D2
1,1,1-Trichloroethane	5.6	80	ND	40		D2
1,1-Dichloropropene	7.2	80	ND	40		D2
Carbon tetrachloride	7.2	80	ND	40		D2
Benzene	4.8	40	490	40		D2
1,2-Dichloroethane	7.2	40	ND	40		D2
Trichloroethene	4.0	40	ND	40		D2
1,2-Dichloropropane	6.8	80	ND	40		D2
Dibromomethane	7.2	80	ND	40		D2
Bromodichloromethane	6.8	40	ND	40		D2
cis-1,3-Dichloropropene	5.2	80	ND	40		D2
4-methyl-2-pentanone	34	400	ND	40		D2
Toluene	5.6	80	ND	40		D2
trans-1,3-Dichloropropene	7.6	80	ND	40		D2

Surrogate Recoveries are reported in Appendix O-A

Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-89A-6D2DL

Lab Sample ID: D0602022-009DL Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/09/06

Date Extracted:

Date Analyzed: 12/12/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	8.8	40	ND	40		D2
Tetrachloroethene	8.8	40	ND	40		D2
1,3-Dichloropropane	4.4	80	ND	40		D2
2-Hexanone	23	400	ND	40		D2
Dibromochloromethane	6.0	80	ND	40		D2
1,2-Dibromoethane	6.0	80	ND	40		D2
Chlorobenzene	6.0	40	ND	40		D2
1,1,1,2-Tetrachloroethane	9.2	200	ND	40		D2
Ethylbenzene	6.0	80	ND	40		D2
Xylene (total)	5.6	400	ND	40		D2
Styrene	6.4	80	ND	40		D2
Bromoform	7.2	200	ND	40		D2
Isopropylbenzene	6.8	80	45	40		D2E4
1,1,2,2-Tetrachloroethane	6.8	40	ND	40		D2
Bromobenzene	6.8	200	ND	40		D2
1,2,3-Trichloropropane	8.0	400	ND	40		D2
n-Propylbenzene	5.2	80	57	40		D2E4
2-Chlorotoluene	6.4	200	ND	40		D2
1,3,5-Trimethylbenzene	6.0	80	51	40		D2E4
4-Chlorotoluene	6.4	200	ND	40		D2
tert-Butylbenzene	7.2	200	ND	40		D2
1,2,4-Trimethylbenzene	5.2	80	ND	40		D2
sec-Butylbenzene	6.8	200	18	40		D2E4
1,3-Dichlorobenzene	4.4	40	ND	40		D2
p-Isopropyltoluene	4.0	80	ND	40		D2
1,4-Dichlorobenzene	4.4	40	ND	40		D2
n-Butylbenzene	13	200	ND	40		D2
1,2-Dichlorobenzene	5.6	40	ND	40		D2
1,2-Dibromo-3-chloropropane	32	200	ND	40		D2
1,2,4-Trichlorobenzene	14	200	ND	40		D2
Hexachlorobutadiene	24	40	ND	40		D2
Naphthalene	12	80	240	40		D2
1,2,3-Trichlorobenzene	15	200	ND	40		D2

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-89A-6D2DL

Lab Sample ID: D0602022-009DL Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/09/06

Date Extracted:

Date Analyzed: 12/12/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	96	82-124	
Dibromofluoromethane - SS	96	84-127	
Toluene-d8 - SS	96	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-103A-6D2

Lab Sample ID: D0602022-010 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/09/06

Date Extracted:

Date Analyzed: 12/12/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	ND	1		
Vinyl chloride	0.22	1.0	ND	1		
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	ND	1		
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	0.26	1		E4
Acetone	1.0	20	ND	1		
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	ND	1		
1,1-Dichloroethane	0.12	2.0	ND	1		
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	ND	1		
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	0.29	1		E4
1,1,1-Trichloroethane	0.14	2.0	ND	1		
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	ND	1		
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	0.21	1		E4
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	ND	1		
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	ND	1		
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-I03A-6D2

Lab Sample ID: D0602022-010

Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/09/06

Date Extracted:

Date Analyzed: 12/12/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	0.45	1		E4
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	ND	1		
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	0.31	1		E4
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	ND	1		
Xylene (total)	0.14	10	ND	1		
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	ND	1		
Isopropylbenzene	0.17	2.0	ND	1		
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	0.15	1		E4
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	ND	1		
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	ND	1		
1,2,4-Trimethylbenzene	0.13	2.0	ND	1		
sec-Butylbenzene	0.17	5.0	ND	1		
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	ND	1		
1,4-Dichlorobenzene	0.11	1.0	ND	1		
n-Butylbenzene	0.33	5.0	ND	1		
1,2-Dichlorobenzene	0.14	1.0	ND	1		
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		
Naphthalene	0.29	2.0	0.50	1		E4
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2

RESULTS

Analytical Method: SW8260

AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-103A-6D2

Lab Sample ID: D0602022-010 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/09/06

Date Extracted:

Date Analyzed: 12/12/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	98	82-124	
Dibromofluoromethane - SS	98	84-127	
Toluene-d8 - SS	99	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-100A-6D2

Lab Sample ID: D0602022-011 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/09/06

Date Extracted:

Date Analyzed: 12/12/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	ND	1		
Vinyl chloride	0.22	1.0	ND	1		
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	ND	1		
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	0.20	1		E4
Acetone	1.0	20	ND	1		
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	1.7	1		
1,1-Dichloroethane	0.12	2.0	0.18	1		E4
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	ND	1		
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	0.27	1		E4
1,1,1-Trichloroethane	0.14	2.0	ND	1		
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	ND	1		
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	ND	1		
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	ND	1		
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	0.31	1		E4
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-100A-6D2

Lab Sample ID: D0602022-011

Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/09/06

Date Extracted: _____

Date Analyzed: 12/12/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	0.41	1		E4
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	ND	1		
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	ND	1		
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	ND	1		
Xylene (total)	0.14	10	ND	1		
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	ND	1		
Isopropylbenzene	0.17	2.0	ND	1		
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	0.16	1		E4
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	ND	1		
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	ND	1		
1,2,4-Trimethylbenzene	0.13	2.0	ND	1		
sec-Butylbenzene	0.17	5.0	ND	1		
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	ND	1		
1,4-Dichlorobenzene	0.11	1.0	ND	1		
n-Butylbenzene	0.33	5.0	ND	1		
1,2-Dichlorobenzene	0.14	1.0	ND	1		
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		
Naphthalene	0.29	2.0	ND	1		
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-100A-6D2

Lab Sample ID: D0602022-011 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/09/06

Date Extracted:

Date Analyzed: 12/12/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	102	82-124	
Dibromofluoromethane - SS	97	84-127	
Toluene-d8 - SS	100	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-101A-6D2

Lab Sample ID: D0602022-012

Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/09/06

Date Extracted: _____

Date Analyzed: 12/12/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	ND	1		
Vinyl chloride	0.22	1.0	ND	1		
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	ND	1		
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	0.37	1		E4
Acetone	1.0	20	1.2	1		E4
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	14	1		
1,1-Dichloroethane	0.12	2.0	1.8	1		E4
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	ND	1		
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	0.15	1		E4
1,1,1-Trichloroethane	0.14	2.0	ND	1		
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	ND	1		
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	0.43	1		E4
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	ND	1		
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	0.30	1		E4
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-I01A-6D2

Lab Sample ID: D0602022-012

Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/09/06

Date Extracted: _____

Date Analyzed: 12/12/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	0.91	1		E4
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	ND	1		
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	ND	1		
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	ND	1		
Xylene (total)	0.14	10	ND	1		
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	ND	1		
Isopropylbenzene	0.17	2.0	ND	1		
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	0.17	1		E4
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	ND	1		
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	0.20	1		E4
1,2,4-Trimethylbenzene	0.13	2.0	ND	1		
sec-Butylbenzene	0.17	5.0	0.27	1		E4
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	ND	1		
1,4-Dichlorobenzene	0.11	1.0	ND	1		
n-Butylbenzene	0.33	5.0	0.46	1		E4
1,2-Dichlorobenzene	0.14	1.0	ND	1		
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		
Naphthalene	0.29	2.0	0.35	1		E4
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2

RESULTS

Analytical Method: SW8260

AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-101A-6D2

Lab Sample ID: D0602022-012 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/09/06

Date Extracted:

Date Analyzed: 12/12/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	98	82-124	
Dibromofluoromethane - SS	99	84-127	
Toluene-d8 - SS	99	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-102A-6D2

Lab Sample ID: D0602022-013

Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/09/06

Date Extracted:

Date Analyzed: 12/12/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	ND	1		
Vinyl chloride	0.22	1.0	ND	1		
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	ND	1		
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	0.27	1		E4
Acetone	1.0	20	1.1	1		E4
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	ND	1		
1,1-Dichloroethane	0.12	2.0	0.15	1		E4
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	ND	1		
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	0.22	1		E4
1,1,1-Trichloroethane	0.14	2.0	ND	1		
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	ND	1		
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	0.27	1		E4
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	ND	1		
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	0.20	1		E4
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-102A-6D2

Lab Sample ID: D0602022-013 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/09/06

Date Extracted:

Date Analyzed: 12/12/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	0.67	1		E4
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	ND	1		
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	ND	1		
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	ND	1		
Xylene (total)	0.14	10	ND	1		
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	ND	1		
Isopropylbenzene	0.17	2.0	0.40	1		E4
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	0.35	1		E4
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	ND	1		
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	ND	1		
1,2,4-Trimethylbenzene	0.13	2.0	ND	1		
sec-Butylbenzene	0.17	5.0	0.51	1		E4
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	ND	1		
1,4-Dichlorobenzene	0.11	1.0	ND	1		
n-Butylbenzene	0.33	5.0	ND	1		
1,2-Dichlorobenzene	0.14	1.0	ND	1		
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		
Naphthalene	0.29	2.0	0.65	1		E4
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-102A-6D2 Lab Sample ID: D0602022-013 Matrix: Water

% Solids: _____ Initial Calibration ID: 12/05/06MSM

Date Received: 12/09/06 Date Extracted: Date Analyzed: 12/12/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	98	82-124	
Dibromofluoromethane - SS	98	84-127	
Toluene-d8 - SS	97	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-110A-6D2

Lab Sample ID: D0602022-014

Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/09/06

Date Extracted: _____

Date Analyzed: 12/12/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	ND	1		
Vinyl chloride	0.22	1.0	ND	1		
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	ND	1		
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	ND	1		
Acetone	1.0	20	ND	1		
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	ND	1		
1,1-Dichloroethane	0.12	2.0	ND	1		
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	ND	1		
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	0.42	1		E4
1,1,1-Trichloroethane	0.14	2.0	ND	1		
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	ND	1		
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	ND	1		
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	ND	1		
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	0.18	1		E4
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-110A-6D2

Lab Sample ID: D0602022-014

Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/09/06

Date Extracted: _____

Date Analyzed: 12/12/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	0.23	1		E4
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	ND	1		
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	ND	1		
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	ND	1		
Xylene (total)	0.14	10	ND	1		
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	ND	1		
Isopropylbenzene	0.17	2.0	0.23	1		E4
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	0.33	1		E4
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	ND	1		
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	ND	1		
1,2,4-Trimethylbenzene	0.13	2.0	ND	1		
sec-Butylbenzene	0.17	5.0	0.23	1		E4
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	ND	1		
1,4-Dichlorobenzene	0.11	1.0	ND	1		
n-Butylbenzene	0.33	5.0	ND	1		
1,2-Dichlorobenzene	0.14	1.0	ND	1		
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		
Naphthalene	0.29	2.0	0.54	1		E4
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2

RESULTS

Analytical Method: SW8260

AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-110A-6D2

Lab Sample ID: D0602022-014 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/09/06

Date Extracted:

Date Analyzed: 12/12/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	98	82-124	
Dibromofluoromethane - SS	99	84-127	
Toluene-d8 - SS	100	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: BC-7A-6D2

Lab Sample ID: D0602022-015

Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/09/06

Date Extracted: _____

Date Analyzed: 12/12/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	ND	1		
Vinyl chloride	0.22	1.0	ND	1		
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	ND	1		
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	1.2	1		E4
Acetone	1.0	20	ND	1		
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	ND	1		
1,1-Dichloroethane	0.12	2.0	0.49	1		E4
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	ND	1		
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	0.50	1		E4
1,1,1-Trichloroethane	0.14	2.0	ND	1		
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	0.63	1		E4
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	1.2	1		
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	0.21	1		E4
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	0.27	1		E4
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: BC-7A-6D2

Lab Sample ID: D0602022-015 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/09/06

Date Extracted:

Date Analyzed: 12/12/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	2.5	1		
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	ND	1		
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	0.27	1		E4
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	ND	1		
Xylene (total)	0.14	10	ND	1		
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	1.7	1		E4
Isopropylbenzene	0.17	2.0	1.2	1		E4
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	2.0	1		
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	ND	1		
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	ND	1		
1,2,4-Trimethylbenzene	0.13	2.0	ND	1		
sec-Butylbenzene	0.17	5.0	0.83	1		E4
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	ND	1		
1,4-Dichlorobenzene	0.11	1.0	0.14	1		E4
n-Butylbenzene	0.33	5.0	ND	1		
1,2-Dichlorobenzene	0.14	1.0	ND	1		
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		
Naphthalene	0.29	2.0	2.6	1		
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2

RESULTS

Analytical Method: SW8260

AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: BC-7A-6D2

Lab Sample ID: D0602022-015 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/09/06

Date Extracted:

Date Analyzed: 12/12/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	100	82-124	
Dibromofluoromethane - SS	97	84-127	
Toluene-d8 - SS	98	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-127A-6D2

Lab Sample ID: D0602022-016

Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/09/06

Date Extracted:

Date Analyzed: 12/12/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	ND	1		
Vinyl chloride	0.22	1.0	ND	1		
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	ND	1		
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	0.39	1		E4
Acetone	1.0	20	ND	1		
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	4.0	1		
1,1-Dichloroethane	0.12	2.0	0.66	1		E4
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	0.25	1		E4
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	0.15	1		E4
1,1,1-Trichloroethane	0.14	2.0	ND	1		
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	0.16	1		E4
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	0.94	1		E4
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	ND	1		
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	ND	1		
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-127A-6D2

Lab Sample ID: D0602022-016

Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/09/06

Date Extracted: _____

Date Analyzed: 12/12/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	1.4	1		
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	ND	1		
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	0.23	1		E4
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	ND	1		
Xylene (total)	0.14	10	ND	1		
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	ND	1		
Isopropylbenzene	0.17	2.0	0.43	1		E4
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	0.87	1		E4
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	ND	1		
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	0.19	1		E4
1,2,4-Trimethylbenzene	0.13	2.0	ND	1		
sec-Butylbenzene	0.17	5.0	1.6	1		E4
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	ND	1		
1,4-Dichlorobenzene	0.11	1.0	ND	1		
n-Butylbenzene	0.33	5.0	ND	1		
1,2-Dichlorobenzene	0.14	1.0	ND	1		
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		
Naphthalene	0.29	2.0	0.85	1		E4
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2 RESULTS

Analytical Method: SW8260

AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-127A-6D2

Lab Sample ID: D0602022-016 Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/09/06

Date Extracted:

Date Analyzed: 12/12/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	98	82-124	
Dibromofluoromethane - SS	97	84-127	
Toluene-d8 - SS	99	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

ORGANIC ANALYSES DATA SHEET 6
BLANKS

Analytical Method: SW8260

AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

Concentration Units (ug/L or mg/kg): UG/L

Method Blank ID: M1212W01

Lab Sample ID: M1212W01

Initial Calibration ID: 12/05/06MSM

Analyte	MDL	Method Blank	RL	Q
Dichlorodifluoromethane	0.36	ND	5.0	
Chloromethane	0.23	ND	5.0	
Vinyl chloride	0.22	ND	1.0	
Bromomethane	0.27	ND	1.0	
Chloroethane	0.20	ND	5.0	
Trichlorofluoromethane	0.14	ND	5.0	
1,1-Dichloroethene	0.19	ND	2.0	
Acetone	1.0	ND	20	
Carbon disulfide	0.11	ND	5.0	
Methylene chloride	0.15	ND	5.0	
Iodomethane	0.20	ND	10	
trans-1,2-Dichloroethene	0.16	ND	2.0	
Tert-butylmethylether	0.17	ND	1.0	
1,1-Dichloroethane	0.12	ND	2.0	
Vinyl acetate	0.84	ND	25	
2,2-Dichloropropane	0.33	ND	2.0	
cis-1,2-Dichloroethene	0.17	ND	2.0	
2-Butanone	0.90	ND	10	
Bromochloromethane	0.25	ND	5.0	
Chloroform	0.14	ND	2.0	
1,1,1-Trichloroethane	0.14	ND	2.0	
1,1-Dichloropropene	0.18	ND	2.0	
Carbon tetrachloride	0.18	ND	2.0	
Benzene	0.12	ND	1.0	
1,2-Dichloroethane	0.18	ND	1.0	
Trichloroethene	0.10	ND	1.0	
1,2-Dichloropropane	0.17	ND	2.0	
Dibromomethane	0.18	ND	2.0	
Bromodichloromethane	0.17	ND	1.0	
cis-1,3-Dichloropropene	0.13	ND	2.0	
4-methyl-2-pentanone	0.85	ND	10	
Toluene	0.14	ND	2.0	
trans-1,3-Dichloropropene	0.19	ND	2.0	

Comments:

ORGANIC ANALYSES DATA SHEET 6
BLANKS

Analytical Method: SW8260

AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

Concentration Units (ug/L or mg/kg): UG/L

Method Blank ID: M1212W01

Lab Sample ID: M1212W01

Initial Calibration ID: 12/05/06MSM

Analyte	MDL	Method Blank	RL	Q
1,1,2-Trichloroethane	0.22	ND	1.0	
Tetrachloroethene	0.22	ND	1.0	
1,3-Dichloropropane	0.11	ND	2.0	
2-Hexanone	0.58	ND	10	
Dibromochloromethane	0.15	ND	2.0	
1,2-Dibromoethane	0.15	ND	2.0	
Chlorobenzene	0.15	ND	1.0	
1,1,1,2-Tetrachloroethane	0.23	ND	5.0	
Ethylbenzene	0.15	ND	2.0	
Xylene (total)	0.14	ND	10	
Styrene	0.16	ND	2.0	
Bromoform	0.18	ND	5.0	
Isopropylbenzene	0.17	ND	2.0	
1,1,2,2-Tetrachloroethane	0.17	ND	1.0	
Bromobenzene	0.17	ND	5.0	
1,2,3-Trichloropropane	0.20	ND	10	
n-Propylbenzene	0.13	ND	2.0	
2-Chlorotoluene	0.16	ND	5.0	
1,3,5-Trimethylbenzene	0.15	ND	2.0	
4-Chlorotoluene	0.16	ND	5.0	
tert-Butylbenzene	0.18	ND	5.0	
1,2,4-Trimethylbenzene	0.13	ND	2.0	
sec-Butylbenzene	0.17	ND	5.0	
1,3-Dichlorobenzene	0.11	ND	1.0	
p-Isopropyltoluene	0.10	ND	2.0	
1,4-Dichlorobenzene	0.11	ND	1.0	
n-Butylbenzene	0.33	ND	5.0	
1,2-Dichlorobenzene	0.14	ND	1.0	
1,2-Dibromo-3-chloropropane	0.81	ND	5.0	
1,2,4-Trichlorobenzene	0.36	ND	5.0	
Hexachlorobutadiene	0.60	ND	1.0	
Naphthalene	0.29	ND	2.0	
1,2,3-Trichlorobenzene	0.37	ND	5.0	

Comments:

ORGANIC ANALYSES DATA SHEET 6
BLANKS

Analytical Method: SW8260 AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

Concentration Units (ug/L or mg/kg): UG/L Method Blank ID: M1212W01

Lab Sample ID: M1212W01

Initial Calibration ID: 12/05/06MSM

Analyte	MDL	Method Blank	RL	Q

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	97	82-124	
Dibromofluoromethane - SS	98	84-127	
Toluene-d8 - SS	96	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260

AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

LCS ID: M1212W01LCS

Concentration Units (ug/L or mg/kg): UG/L

Date Extracted: _____ Date Analyzed: 12/12/06

Initial Calibration ID: 12/05/06MSM

Analyte	Expected	Found	%R	Control Limits	Q
Dichlorodifluoromethane	10.0	11.9	119	27-158	
Chloromethane	10.0	10.8	108	51-137	
Vinyl chloride	10.0	10.5	105	57-137	
Bromomethane	10.0	11.1	111	44-156	
Chloroethane	10.0	10.6	106	60-140	
Trichlorofluoromethane	10.0	10.8	108	54-146	
1,1-Dichloroethene	10.0	10.8	108	70-130	
Acetone	50.0	45.9	92	55-137	
Carbon disulfide	10.0	10.0	100	50-127	
Methylene chloride	10.0	9.8	98	73-121	
Iodomethane	10.0	9.3	93	50-150	E4
trans-1,2-Dichloroethene	10.0	9.5	95	74-124	
Tert-butylmethylether	10.0	9.8	98	75-119	
1,1-Dichloroethane	10.0	9.6	96	78-121	
Vinyl acetate	10.0	10.8	108	52-129	E4
2,2-Dichloropropane	10.0	10.0	100	61-137	
cis-1,2-Dichloroethene	10.0	10.1	101	80-118	
2-Butanone	50.0	47.8	96	76-122	
Bromochloromethane	10.0	9.5	95	82-118	
Chloroform	10.0	9.4	94	73-125	
1,1,1-Trichloroethane	10.0	9.6	96	76-124	
1,1-Dichloropropene	10.0	9.8	98	80-119	
Carbon tetrachloride	10.0	9.6	96	68-135	
Benzene	10.0	10.0	100	81-119	
1,2-Dichloroethane	10.0	9.6	96	75-122	
Trichloroethene	10.0	9.7	97	79-118	
1,2-Dichloropropane	10.0	9.6	96	82-115	
Dibromomethane	10.0	9.9	99	84-116	
Bromodichloromethane	10.0	9.7	97	81-122	
cis-1,3-Dichloropropene	10.0	10.1	101	78-118	
4-methyl-2-pentanone	50.0	49.1	98	81-127	
Toluene	10.0	9.5	95	83-116	
trans-1,3-Dichloropropene	10.0	9.8	98	73-122	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260

AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

LCS ID: M1212W01LCS

Concentration Units (ug/L or mg/kg): UG/L

Date Extracted: _____ Date Analyzed: 12/12/06

Initial Calibration ID: 12/05/06MSM

Analyte	Expected	Found	%R	Control Limits	Q
1,1,2-Trichloroethane	10.0	9.8	98	83-120	
Tetrachloroethene	10.0	10.0	100	82-118	
1,3-Dichloropropane	10.0	9.8	98	82-119	
2-Hexanone	50.0	47.0	94	81-130	
Dibromochloromethane	10.0	9.6	96	79-124	
1,2-Dibromoethane	10.0	9.8	98	82-116	
Chlorobenzene	10.0	9.8	98	86-114	
1,1,1,2-Tetrachloroethane	10.0	9.5	95	79-122	
Ethylbenzene	10.0	10.0	100	86-116	
Xylene (total)	30.0	29.5	98	85-117	
Styrene	10.0	10.0	100	84-119	
Bromoform	10.0	9.0	90	71-133	
Isopropylbenzene	10.0	10.2	102	77-117	
1,1,2,2-Tetrachloroethane	10.0	9.6	96	80-117	
Bromobenzene	10.0	9.9	99	84-120	
1,2,3-Trichloropropane	10.0	9.6	96	81-122	E4
n-Propylbenzene	10.0	10.1	101	87-117	
2-Chlorotoluene	10.0	10.1	101	87-119	
1,3,5-Trimethylbenzene	10.0	10.1	101	83-120	
4-Chlorotoluene	10.0	10.0	100	86-118	
tert-Butylbenzene	10.0	8.7	87	82-122	
1,2,4-Trimethylbenzene	10.0	10.2	102	86-121	
sec-Butylbenzene	10.0	10.6	106	84-128	
1,3-Dichlorobenzene	10.0	9.9	99	85-119	
p-Isopropyltoluene	10.0	10.1	101	84-121	
1,4-Dichlorobenzene	10.0	9.9	99	84-118	
n-Butylbenzene	10.0	9.8	98	81-123	
1,2-Dichlorobenzene	10.0	10.0	100	85-117	
1,2-Dibromo-3-chloropropane	40.0	35.8	90	67-121	
1,2,4-Trichlorobenzene	10.0	9.5	95	69-128	
Hexachlorobutadiene	10.0	9.8	98	71-135	
Naphthalene	10.0	9.7	97	60-131	
1,2,3-Trichlorobenzene	10.0	9.2	92	69-130	

Comments:

LABORATORY CONTROL SAMPLE

AAB #: D0602022

Initial Calibration ID: 12/05/06MSM

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	102	82-124	
Dibromofluoromethane - SS	100	84-127	
Toluene-d8 - SS	98	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260

AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

LCS ID: M1212W01LCSD

Concentration Units (ug/L or mg/kg): UG/L

Date Extracted: _____ Date Analyzed: 12/12/06

Initial Calibration ID: 12/05/06MSM

Analyte	Expected	Found	%R	Control Limits	Q
Dichlorodifluoromethane	10.0	12.8	128	27-158	
Chloromethane	10.0	11.3	113	51-137	
Vinyl chloride	10.0	11.1	111	57-137	
Bromomethane	10.0	11.4	114	44-156	
Chloroethane	10.0	11.3	113	60-140	
Trichlorofluoromethane	10.0	11.9	119	54-146	
1,1-Dichloroethene	10.0	10.8	108	70-130	
Acetone	50.0	49.9	100	55-137	
Carbon disulfide	10.0	10.2	102	50-127	
Methylene chloride	10.0	10.0	100	73-121	
Iodomethane	10.0	9.4	94	50-150	E4
trans-1,2-Dichloroethene	10.0	9.8	98	74-124	
Tert-butylmethylether	10.0	9.9	99	75-119	
1,1-Dichloroethane	10.0	9.8	98	78-121	
Vinyl acetate	10.0	10.8	108	52-129	E4
2,2-Dichloropropane	10.0	10.0	100	61-137	
cis-1,2-Dichloroethene	10.0	10.3	103	80-118	
2-Butanone	50.0	50.8	102	76-122	
Bromochloromethane	10.0	10.0	100	82-118	
Chloroform	10.0	9.7	97	73-125	
1,1,1-Trichloroethane	10.0	9.8	98	76-124	
1,1-Dichloropropene	10.0	10.1	101	80-119	
Carbon tetrachloride	10.0	10.0	100	68-135	
Benzene	10.0	10.1	101	81-119	
1,2-Dichloroethane	10.0	9.9	99	75-122	
Trichloroethene	10.0	9.9	99	79-118	
1,2-Dichloropropane	10.0	9.8	98	82-115	
Dibromomethane	10.0	10.0	100	84-116	
Bromodichloromethane	10.0	10.0	100	81-122	
cis-1,3-Dichloropropene	10.0	10.4	104	78-118	
4-methyl-2-pentanone	50.0	52.5	105	81-127	
Toluene	10.0	9.8	98	83-116	
trans-1,3-Dichloropropene	10.0	9.9	99	73-122	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260

AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

LCS ID: M1212W01LCSD

Concentration Units (ug/L or mg/kg): UG/L

Date Extracted: _____ Date Analyzed: 12/12/06

Initial Calibration ID: 12/05/06MSM

Analyte	Expected	Found	%R	Control Limits	Q
1,1,2-Trichloroethane	10.0	9.3	93	83-120	
Tetrachloroethene	10.0	10.1	101	82-118	
1,3-Dichloropropane	10.0	10.0	100	82-119	
2-Hexanone	50.0	50.8	102	81-130	
Dibromochloromethane	10.0	9.9	99	79-124	
1,2-Dibromoethane	10.0	10.1	101	82-116	
Chlorobenzene	10.0	10.0	100	86-114	
1,1,1,2-Tetrachloroethane	10.0	9.8	98	79-122	
Ethylbenzene	10.0	10.1	101	86-116	
Xylene (total)	30.0	30.2	101	85-117	
Styrene	10.0	10.3	103	84-119	
Bromoform	10.0	9.6	96	71-133	
Isopropylbenzene	10.0	10.4	104	77-117	
1,1,2,2-Tetrachloroethane	10.0	10.0	100	80-117	
Bromobenzene	10.0	10.1	101	84-120	
1,2,3-Trichloropropane	10.0	9.8	98	81-122	E4
n-Propylbenzene	10.0	10.0	100	87-117	
2-Chlorotoluene	10.0	10.1	101	87-119	
1,3,5-Trimethylbenzene	10.0	9.9	99	83-120	
4-Chlorotoluene	10.0	10.0	100	86-118	
tert-Butylbenzene	10.0	8.9	89	82-122	
1,2,4-Trimethylbenzene	10.0	10.2	102	86-121	
sec-Butylbenzene	10.0	10.6	106	84-128	
1,3-Dichlorobenzene	10.0	10.0	100	85-119	
p-Isopropyltoluene	10.0	10.1	101	84-121	
1,4-Dichlorobenzene	10.0	10.0	100	84-118	
n-Butylbenzene	10.0	9.8	98	81-123	
1,2-Dichlorobenzene	10.0	9.9	99	85-117	
1,2-Dibromo-3-chloropropane	40.0	37.8	94	67-121	
1,2,4-Trichlorobenzene	10.0	9.2	92	69-128	
Hexachlorobutadiene	10.0	9.6	96	71-135	
Naphthalene	10.0	9.7	97	60-131	
1,2,3-Trichlorobenzene	10.0	8.9	89	69-130	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260

AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

LCS ID: M1212W01LCSD Concentration Units (ug/L or mg/kg): UG/L

Date Extracted: _____ Date Analyzed: 12/12/06

Initial Calibration ID: 12/05/06MSM

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	99	82-124	
Dibromofluoromethane - SS	100	84-127	
Toluene-d8 - SS	99	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE/LABORATORY CONTROL SAMPLE DUPLICATE

Analytical Method: SW8260 AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

Concentration Units (ug/L or mg/kg): UG/L %Solids: _____

Parent Field Sample ID: M1212W01 BS ID: M1212W01LCS BSD ID: M1212W01LCSD

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicate Spike Sample Result	%R	%RPD	Control Limits %RPD	Control Limits %R	Q
Dichlorodifluoromethane		10.0	11.9	119	12.8	128	7	20	27-158	
Chloromethane		10.0	10.8	108	11.3	113	4	20	51-137	
Vinyl chloride		10.0	10.5	105	11.1	111	6	20	57-137	
Bromomethane		10.0	11.1	111	11.4	114	3	20	44-156	
Chloroethane		10.0	10.6	106	11.3	113	6	20	60-140	
Trichlorofluoromethane		10.0	10.8	108	11.9	119	10	20	54-146	
1,1-Dichloroethene		10.0	10.8	108	10.8	108	0	20	70-130	
Acetone		50.0	45.9	92	49.9	100	8	20	55-137	
Carbon disulfide		10.0	10.0	100	10.2	102	2	20	50-127	
Methylene chloride		10.0	9.8	98	10.0	100	2	20	73-121	
Iodomethane		10.0	9.3	93	9.4	94	1	20	50-150	E4
trans-1,2-Dichloroethene		10.0	9.5	95	9.8	98	3	20	74-124	
Tert-butylmethylether		10.0	9.8	98	9.9	99	1	20	75-119	
1,1-Dichloroethane		10.0	9.6	96	9.8	98	2	20	78-121	
Vinyl acetate		10.0	10.8	108	10.8	108	0	20	52-129	E4
2,2-Dichloropropane		10.0	10.0	100	10.0	100	0	20	61-137	
cis-1,2-Dichloroethene		10.0	10.1	101	10.3	103	2	20	80-118	
2-Butanone		50.0	47.8	96	50.8	102	6	20	76-122	
Bromochloromethane		10.0	9.5	95	10.0	100	5	20	82-118	
Chloroform		10.0	9.4	94	9.7	97	3	20	73-125	
1,1,1-Trichloroethane		10.0	9.6	96	9.8	98	2	20	76-124	
1,1-Dichloropropene		10.0	9.8	98	10.1	101	3	20	80-119	
Carbon tetrachloride		10.0	9.6	96	10.0	100	4	20	68-135	
Benzene		10.0	10.0	100	10.1	101	1	20	81-119	
1,2-Dichloroethane		10.0	9.6	96	9.9	99	3	20	75-122	
Trichloroethene		10.0	9.7	97	9.9	99	2	20	79-118	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE/LABORATORY CONTROL SAMPLE DUPLICATE

Analytical Method: SW8260

AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

Concentration Units (ug/L or mg/kg): UG/L

%Solids: _____

Parent Field Sample ID: M1212W01

BS ID: M1212W01LCS

BSD ID: M1212W01LCSD

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicate Spike Sample Result	%R	%RPD	Control Limits %RPD	Control Limits %R	Q
1,2-Dichloropropane		10.0	9.6	96	9.8	98	2	20	82-115	
Dibromomethane		10.0	9.9	99	10.0	100	1	20	84-116	
Bromodichloromethane		10.0	9.7	97	10.0	100	3	20	81-122	
cis-1,3-Dichloropropene		10.0	10.1	101	10.4	104	3	20	78-118	
4-methyl-2-pentanone		50.0	49.1	98	52.5	105	7	20	81-127	
Toluene		10.0	9.5	95	9.8	98	3	20	83-116	
trans-1,3-Dichloropropene		10.0	9.8	98	9.9	99	1	20	73-122	
1,1,2-Trichloroethane		10.0	9.8	98	9.3	93	5	20	83-120	
Tetrachloroethene		10.0	10.0	100	10.1	101	1	20	82-118	
1,3-Dichloropropane		10.0	9.8	98	10.0	100	2	20	82-119	
2-Hexanone		50.0	47.0	94	50.8	102	8	20	81-130	
Dibromochloromethane		10.0	9.6	96	9.9	99	3	20	79-124	
1,2-Dibromoethane		10.0	9.8	98	10.1	101	3	20	82-116	
Chlorobenzene		10.0	9.8	98	10.0	100	2	20	86-114	
1,1,1,2-Tetrachloroethane		10.0	9.5	95	9.8	98	3	20	79-122	
Ethylbenzene		10.0	10.0	100	10.1	101	1	20	86-116	
Xylene (total)		30.0	29.5	98	30.2	101	2	20	85-117	
Styrene		10.0	10.0	100	10.3	103	3	20	84-119	
Bromoform		10.0	9.0	90	9.6	96	6	20	71-133	
Isopropylbenzene		10.0	10.2	102	10.4	104	2	20	77-117	
1,1,2,2-Tetrachloroethane		10.0	9.6	96	10.0	100	4	20	80-117	
Bromobenzene		10.0	9.9	99	10.1	101	2	20	84-120	
1,2,3-Trichloropropane		10.0	9.6	96	9.8	98	2	20	81-122	E4
n-Propylbenzene		10.0	10.1	101	10.0	100	1	20	87-117	
2-Chlorotoluene		10.0	10.1	101	10.1	101	0	20	87-119	
1,3,5-Trimethylbenzene		10.0	10.1	101	9.9	99	2	20	83-120	

Comments:

ORGANIC ANALYSES DATA SHEET 8
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: SW8260 AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

Concentration Units (ug/L or mg/kg): UG/L %Solids:

Parent Field Sample ID: ASE-126A-6D2 MS ID: ASE-126A-6D2MS MSD ID: ASE-126A-6D2MSD

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicat Spike Sample Result	%R	%RPD	Control Limits %RPD	Control Limits %R	Q
Dichlorodifluoromethane		10.0	12.5	125	12.2	122	2	20	27-158	
Chloromethane		10.0	11.0	110	10.6	106	4	20	51-137	
Vinyl chloride	1.7	10.0	12.2	105	12.4	107	2	20	57-137	
Bromomethane		10.0	11.2	112	10.8	108	4	20	44-156	
Chloroethane		10.0	11.6	116	11.4	114	2	20	60-140	
Trichlorofluoromethane		10.0	10.9	109	11.8	118	8	20	54-146	
1,1-Dichloroethene	3.0	10.0	13.9	109	13.7	107	1	20	70-130	
Acetone		50.0	50.2	100	47.4	95	6	20	55-137	
Carbon disulfide		10.0	9.0	90	8.3	83	8	20	50-127	
Methylene chloride		10.0	10.2	102	10.0	100	2	20	73-121	
Iodomethane		10.0	9.8	98	9.7	97	1	20	50-150	E4
trans-1,2-Dichloroethene		10.0	10.0	100	9.8	98	2	20	74-124	
Tert-butylmethylether	2.6	10.0	12.6	100	12.2	96	3	20	75-119	
1,1-Dichloroethane	19.8	10.0	29.2	94	29.1	93	0	20	78-121	
Vinyl acetate		10.0	10.4	104	10.0	100	4	20	52-129	E4
2,2-Dichloropropane		10.0	9.5	95	9.4	94	1	20	61-137	
cis-1,2-Dichloroethene	0.86	10.0	11.4	105	11.1	102	3	20	80-118	
2-Butanone		50.0	53.2	106	49.6	99	7	20	76-122	
Bromochloromethane		10.0	10.0	100	10.0	100	0	20	82-118	
Chloroform		10.0	9.9	99	9.8	98	1	20	73-125	
1,1,1-Trichloroethane	0.44	10.0	10.1	97	10.0	96	1	20	76-124	
1,1-Dichloropropene		10.0	10.3	103	10.2	102	1	20	80-119	
Carbon tetrachloride		10.0	9.1	91	9.2	92	1	20	68-135	
Benzene	0.15	10.0	10.5	104	10.3	102	2	20	81-119	
1,2-Dichloroethane		10.0	10.2	102	9.7	97	5	20	75-122	
Trichloroethene	1.2	10.0	11.2	100	11.0	98	2	20	79-118	

Comments:

ORGANIC ANALYSES DATA SHEET 8
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: SW8260 AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

Concentration Units (ug/L or mg/kg): UG/L %Solids:

Parent Field Sample ID: ASE-126A-6D2 MS ID: ASE-126A-6D2MS MSD ID: ASE-126A-6D2MSD

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicat Spike Sample Result	%R	%RPD	Control Limits %RPD	Control Limits %R	Q
1,2-Dichloropropane		10.0	10.0	100	9.6	96	4	20	82-115	
Dibromomethane		10.0	10.1	101	9.8	98	3	20	84-116	
Bromodichloromethane		10.0	9.4	94	9.3	93	1	20	81-122	
cis-1,3-Dichloropropene		10.0	9.7	97	9.4	94	3	20	78-118	
4-methyl-2-pentanone		50.0	53.3	107	50.2	100	6	20	81-127	
Toluene		10.0	9.9	99	10.0	100	1	20	83-116	
trans-1,3-Dichloropropene		10.0	9.4	94	9.0	90	4	20	73-122	
1,1,2-Trichloroethane		10.0	10.0	100	9.8	98	2	20	83-120	
Tetrachloroethene	0.29	10.0	10.5	102	10.5	102	0	20	82-118	
1,3-Dichloropropane		10.0	10.2	102	9.8	98	4	20	82-119	
2-Hexanone		50.0	52.5	105	49.0	98	7	20	81-130	
Dibromochloromethane		10.0	8.9	89	8.6	86	3	20	79-124	
1,2-Dibromoethane		10.0	10.2	102	9.8	98	4	20	82-116	
Chlorobenzene		10.0	10.3	103	10.2	102	1	20	86-114	
1,1,1,2-Tetrachloroethane		10.0	9.4	94	9.4	94	0	20	79-122	
Ethylbenzene		10.0	10.3	103	10.4	104	1	20	86-116	
Xylene (total)		30.0	30.9	103	30.7	102	1	20	85-117	
Styrene		10.0	10.2	102	10.1	101	1	20	84-119	
Bromoform		10.0	7.8	78	7.5	75	4	20	71-133	
Isopropylbenzene	0.44	10.0	11.0	106	11.0	106	0	20	77-117	
1,1,2,2-Tetrachloroethane		10.0	10.3	103	10.2	102	1	20	80-117	
Bromobenzene		10.0	10.3	103	10.2	102	1	20	84-120	
1,2,3-Trichloropropane		10.0	10.4	104	9.9	99	5	20	81-122	E4
n-Propylbenzene	0.60	10.0	10.7	101	11.1	105	4	20	87-117	
2-Chlorotoluene		10.0	10.1	101	10.3	103	2	20	87-119	
1,3,5-Trimethylbenzene		10.0	10.4	104	9.9	99	5	20	83-120	

Comments:

Parent Field Sample ID: ASE-126A-6D2 MS ID: ASE-126A-6D2MS MSD ID: ASE-126A-6D2MSD

ORGANIC ANALYSES DATA SHEET 10
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: SW8260

AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

Instrument ID #: MSM DB-624

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Laboratory File ID	Date Analysis Started	Time Analysis Started	Date Analysis Completed	Time Analysis Completed
VSTD00.5	M065370	12/05/06	1545	12/05/06	1605
VSTD001	M065371	12/05/06	1606	12/05/06	1626
VSTD005	M065372	12/05/06	1628	12/05/06	1648
VSTD010	M065373	12/05/06	1649	12/05/06	1709
VSTD020	M065374	12/05/06	1711	12/05/06	1731
VSTD050	M065375	12/05/06	1732	12/05/06	1752
VSTD100	M065376	12/05/06	1754	12/05/06	1814
VSTD150	M065377	12/05/06	1815	12/05/06	1835
QCALTSTD4	M065380	12/05/06	1920	12/05/06	1940
VSTD10M	M065468	12/12/06	0928	12/12/06	0948
M1212W01LCSD	M065470	12/12/06	1015	12/12/06	1035
M1212W01LCS	M065472	12/12/06	1058	12/12/06	1118
M1212W01	M065474	12/12/06	1141	12/12/06	1201
TB-120706	M065477	12/12/06	1246	12/12/06	1306
ASE-126A-6D2	M065478	12/12/06	1307	12/12/06	1327
ASE-97A-6D2	M065479	12/12/06	1328	12/12/06	1348
BC-8B-6D2	M065480	12/12/06	1350	12/12/06	1410
ASE-112A-6D2	M065481	12/12/06	1411	12/12/06	1431
ASE-105A-6D2	M065482	12/12/06	1435	12/12/06	1455
PL-503-6D2	M065483	12/12/06	1456	12/12/06	1516
ASE-103A-6D2	M065484	12/12/06	1518	12/12/06	1538
ASE-100A-6D2	M065485	12/12/06	1539	12/12/06	1559
ASE-101A-6D2	M065486	12/12/06	1601	12/12/06	1621
ASE-102A-6D2	M065487	12/12/06	1622	12/12/06	1642
ASE-110A-6D2	M065488	12/12/06	1643	12/12/06	1703
BC-7A-6D2	M065489	12/12/06	1705	12/12/06	1725

Comments:

ORGANIC ANALYSES DATA SHEET 10
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: SW8260

AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

Instrument ID #: MSM DB-624

[illegible]

Comments:

ORGANIC ANALYSES DATA SHEET APPENDIX A
SURROGATE RESULTS

Analytical Method: SW8260

AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

Matrix: Water

Field/QC Sample ID	S1	S2	S3	S4	S5	S6	S7	S8	Q
M1212W01LCSD	99	100	99						
M1212W01LCS	102	100	98						
M1212W01	97	98	96						
TB-120706	98	97	98						
ASE-126A-6D2	94	94	96						
ASE-97A-6D2	103	101	102						
BC-8B-6D2	97	96	97						
ASE-112A-6D2	92	91	91						
ASE-105A-6D2	98	97	96						
PL-503-6D2	99	97	98						
ASE-103A-6D2	98	98	99						
ASE-100A-6D2	102	97	100						
ASE-101A-6D2	98	99	99						
ASE-102A-6D2	98	98	97						
ASE-110A-6D2	98	99	100						
BC-7A-6D2	100	97	98						
ASE-127A-6D2	98	97	99						
ASE-90A-6D2	97	98	96						
ASE-90A-6D2DL	97	97	98						
ASE-89A-6D2	98	100	96						
ASE-89A-6D2DL	96	96	96						
ASE-126A-6D2MS	99	101	98						
ASE-126A-6D2MSD	100	98	98						

S1: 4-Bromofluorobenzene - SS 82-124
 S2: Dibromofluoromethane - SS 84-127
 S3: Toluene-d8 - SS 80-117

Comments:

HPLC POLYNUCLEAR AROMATIC HYDROCARBONS

ORGANIC ANALYSES DATA PACKAGE

Analytical Method: SW8310

AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

Base/Command: HONEYWELL SKY HARBOR

Project: Sky Harbor

Field Sample ID

Lab Sample ID

ASE-126A-6D2

D0602022-002

ASE-126A-6D2MS

D0602022-002MS

ASE-126A-6D2MSD

D0602022-002MSD

ASE-127A-6D2

D0602022-016

Comments:

I certify this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: SLC

Name: Sylvia Chen

Date: 12/23/06

Title: Scientist

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8310 Preparatory Method: SW3520 AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-126A-6D2 Lab Sample ID: D0602022-002 Matrix: Water

% Solids: _____ Initial Calibration ID: 11/02/06LCI

Date Received: 12/09/06 Date Extracted: 12/11/06 Date Analyzed: 12/14/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 1.050 L

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Naphthalene	0.048	0.50	0.65	1	0.94	
Fluorene	0.0100	0.10	ND	1		
Phenanthrene	0.0066	0.10	ND	1		
Anthracene	0.0051	0.10	ND	1		
Fluoranthene	0.0074	0.10	ND	1		
Pyrene	0.0100	0.10	ND	1		
Benzo(a)anthracene	0.016	0.10	ND	1		
Chrysene	0.014	0.10	ND	1		
Benzo(b)fluoranthene	0.0084	0.10	ND	1		
Benzo(k)fluoranthene	0.011	0.10	ND	1		
Benzo(a)pyrene	0.014	0.10	ND	1		
Dibenzo(a,h)anthracene	0.017	0.10	ND	1		
Benzo(g,h,i)perylene	0.016	0.10	ND	1		
Indeno(1,2,3-c,d)pyrene	0.016	0.10	ND	1		
Acenaphthylene	0.19	1.0	ND	1		
Acenaphthene	0.058	0.50	ND	1		

Surrogate	Recovery	Control Limits	Qualifier
Terphenyl-d14 - SS	91	25-157	

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8310 Preparatory Method: SW3520 AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-127A-6D2 Lab Sample ID: D0602022-016 Matrix: Water

% Solids: _____ Initial Calibration ID: 11/02/06LCI

Date Received: 12/09/06 Date Extracted: 12/11/06 Date Analyzed: 12/14/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 1.050 L

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Naphthalene	0.048	0.50	0.20	1		E4
Fluorene	0.0100	0.10	0.020	1		E4
Phenanthrene	0.0066	0.10	ND	1		
Anthracene	0.0051	0.10	ND	1		
Fluoranthene	0.0074	0.10	ND	1		
Pyrene	0.0100	0.10	ND	1		
Benzo(a)anthracene	0.016	0.10	ND	1		
Chrysene	0.014	0.10	ND	1		
Benzo(b)fluoranthene	0.0084	0.10	ND	1		
Benzo(k)fluoranthene	0.011	0.10	ND	1		
Benzo(a)pyrene	0.014	0.10	ND	1		
Dibenzo(a,h)anthracene	0.017	0.10	ND	1		
Benzo(g,h,i)perylene	0.016	0.10	ND	1		
Indeno(1,2,3-c,d)pyrene	0.016	0.10	ND	1		
Acenaphthylene	0.19	1.0	ND	1		
Acenaphthene	0.058	0.50	ND	1		

Surrogate	Recovery	Control Limits	Qualifier
Terphenyl-d14 - SS	62	25-157	

Comments:

ORGANIC ANALYSES DATA SHEET 6
BLANKS

Analytical Method: SW8310 AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

Concentration Units (ug/L or mg/kg): UG/L Method Blank ID: NWB11211

Lab Sample ID: NWB11211

Initial Calibration ID: 11/02/06LCI

Analyte	MDL	Method Blank	RL	Q
Naphthalene	0.048	ND	0.50	
Fluorene	0.0100	ND	0.10	
Phenanthrene	0.0066	ND	0.10	
Anthracene	0.0051	ND	0.10	
Fluoranthene	0.0074	ND	0.10	
Pyrene	0.0100	ND	0.10	
Benzo(a)anthracene	0.016	ND	0.10	
Chrysene	0.014	ND	0.10	
Benzo(b)fluoranthene	0.0084	ND	0.10	
Benzo(k)fluoranthene	0.011	ND	0.10	
Benzo(a)pyrene	0.014	ND	0.10	
Dibenzo(a,h)anthracene	0.017	ND	0.10	
Benzo(g,h,i)perylene	0.016	ND	0.10	
Indeno(1,2,3-c,d)pyrene	0.016	ND	0.10	
Acenaphthylene	0.19	ND	1.0	
Acenaphthene	0.058	ND	0.50	

Surrogate	Recovery	Control Limits	Qualifier
Terphenyl-d14 - SS	86	25-157	

Comments:

ORGANIC ANALYSES DATA SHEET 6
BLANKS

Analytical Method: SW8310 AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

Concentration Units (ug/L or mg/kg): UG/L Method Blank ID: NWB11219

Lab Sample ID: NWB11219

Initial Calibration ID: 11/02/06LCI

Analyte	MDL	Method Blank	RL	Q
Naphthalene	0.048	ND	0.50	
Fluorene	0.0100	ND	0.10	
Phenanthrene	0.0066	ND	0.10	
Anthracene	0.0051	ND	0.10	
Fluoranthene	0.0074	ND	0.10	
Pyrene	0.0100	ND	0.10	
Benzo(a)anthracene	0.016	ND	0.10	
Chrysene	0.014	ND	0.10	
Benzo(b)fluoranthene	0.0084	ND	0.10	
Benzo(k)fluoranthene	0.011	ND	0.10	
Benzo(a)pyrene	0.014	ND	0.10	
Dibenzo(a,h)anthracene	0.017	ND	0.10	
Benzo(g,h,i)perylene	0.016	ND	0.10	
Indeno(1,2,3-c,d)pyrene	0.016	ND	0.10	
Acenaphthylene	0.19	ND	1.0	
Acenaphthene	0.058	ND	0.50	

Surrogate	Recovery	Control Limits	Qualifier
Terphenyl-d14 - SS	74	25-157	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: SW8310

AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

LCS ID: NWB11211LCS Concentration Units (ug/L or mg/kg): UG/L

Date Extracted: 12/11/06 Date Analyzed: 12/14/06

Initial Calibration ID: 11/02/06LCI

Analyte	Expected	Found	%R	Control Limits	Q
Naphthalene	20.00	15.86	79	33-120	
Fluorene	4.000	3.585	90	53-125	
Phenanthrene	2.000	1.754	88	40-120	
Anthracene	2.000	1.670	84	54-125	
Fluoranthene	2.000	1.757	88	42-125	
Pyrene	2.000	1.855	93	55-125	
Benzo(a)anthracene	2.000	1.729	86	39-135	
Chrysene	2.000	1.872	94	59-134	
Benzo(b)fluoranthene	2.000	1.766	88	31-137	
Benzo(k)fluoranthene	2.000	1.809	90	60-129	
Benzo(a)pyrene	2.000	1.701	85	52-125	
Dibenzo(a,h)anthracene	4.000	3.442	86	51-125	
Benzo(g,h,i)perylene	4.000	3.370	84	34-120	
Indeno(1,2,3-c,d)pyrene	2.000	1.843	92	55-125	
Acenaphthene	20.00	16.39	82	43-130	
Acenaphthylene	40.00	32.01	80	40-121	

Surrogate	Recovery	Control Limits	Qualifier
Terphenyl-d14 - SS	82	25-157	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: SW8310

AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

LCS ID: NWB11219LCS

Concentration Units (ug/L or mg/kg): UG/L

Date Extracted: 12/19/06

Date Analyzed: 12/20/06

Initial Calibration ID: 11/02/06LCI

Analyte	Expected	Found	%R	Control Limits	Q
Naphthalene	20.00	16.39	82	33-120	
Fluorene	4.000	3.732	93	53-125	
Phenanthrene	2.000	1.830	92	40-120	
Anthracene	2.000	1.779	89	54-125	
Fluoranthene	2.000	1.964	98	42-125	
Pyrene	2.000	2.125	106	55-125	
Benzo(a)anthracene	2.000	1.843	92	39-135	
Chrysene	2.000	1.948	97	59-134	
Benzo(b)fluoranthene	2.000	1.814	91	31-137	
Benzo(k)fluoranthene	2.000	1.862	93	60-129	
Benzo(a)pyrene	2.000	1.814	91	52-125	
Dibenzo(a,h)anthracene	4.000	3.462	87	51-125	
Benzo(g,h,i)perylene	4.000	3.738	93	34-120	
Indeno(1,2,3-c,d)pyrene	2.000	2.055	103	55-125	
Acenaphthene	20.00	16.52	83	43-130	
Acenaphthylene	40.00	32.45	81	40-121	

Surrogate	Recovery	Control Limits	Qualifier
Terphenyl-d14 - SS	85	25-157	

Comments:

ORGANIC ANALYSES DATA SHEET 9

HOLDING TIMES

Analytical Method: SW8310

AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

[illegible]

Comments:

ORGANIC ANALYSES DATA SHEET 10
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: SW8310 AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

Instrument ID #: LCI FL

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Laboratory File ID	Date Analysis Started	Time Analysis Started	Date Analysis Completed	Time Analysis Completed
KSTD1	I1102006	11/02/06	1334	11/02/06	1404
KSTD2	I1102007	11/02/06	1405	11/02/06	1435
KSTD3	I1102008	11/02/06	1436	11/02/06	1506
KSTD4	I1102009	11/02/06	1506	11/02/06	1536
KSTD5	I1102010	11/02/06	1537	11/02/06	1607
QCALTSTD3	I1102011	11/02/06	1608	11/02/06	1638
KSTD4	I1214003	12/14/06	1218	12/14/06	1248
NWB11211	I1214004	12/14/06	1255	12/14/06	1325
NWB11211LCS	I1214005	12/14/06	1326	12/14/06	1356
ASE-126A-6D2	I1214007	12/14/06	1427	12/14/06	1457
ASE-126A-6D2MS	I1214008	12/14/06	1458	12/14/06	1528
KSTD3	I1214010	12/14/06	1559	12/14/06	1629
ASE-127A-6D2	I1214018	12/14/06	2014	12/14/06	2044
KSTD4	I1214020	12/14/06	2115	12/14/06	2145
KSTD3	I1220005	12/20/06	1316	12/20/06	1346
ASE-126A-6D2MSD	I1220006	12/20/06	1515	12/20/06	1545
NWB11219	I1220007	12/20/06	1546	12/20/06	1616
NWB11219LCS	I1220008	12/20/06	1617	12/20/06	1647
KSTD4	I1220013	12/20/06	1850	12/20/06	1920

Comments:

ORGANIC ANALYSES DATA SHEET 10
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: SW8310 AAB #: D0602022

Lab Name: Columbia Analytical Services/Redding

Instrument ID #: LCI UV

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Laboratory File ID	Date Analysis Started	Time Analysis Started	Date Analysis Completed	Time Analysis Completed
KSTD1	I1102006	11/02/06	1334	11/02/06	1404
KSTD2	I1102007	11/02/06	1405	11/02/06	1435
KSTD3	I1102008	11/02/06	1436	11/02/06	1506
KSTD4	I1102009	11/02/06	1506	11/02/06	1536
KSTD5	I1102010	11/02/06	1537	11/02/06	1607
QCALTSTD3	I1102011	11/02/06	1608	11/02/06	1638
KSTD4	I1214003	12/14/06	1218	12/14/06	1248
NWB11211	I1214004	12/14/06	1255	12/14/06	1325
NWB11211LCS	I1214005	12/14/06	1326	12/14/06	1356
ASE-126A-6D2	I1214007	12/14/06	1427	12/14/06	1457
ASE-126A-6D2MS	I1214008	12/14/06	1458	12/14/06	1528
KSTD3	I1214010	12/14/06	1559	12/14/06	1629
ASE-127A-6D2	I1214018	12/14/06	2014	12/14/06	2044
KSTD4	I1214020	12/14/06	2115	12/14/06	2145
KSTD3	I1220005	12/20/06	1316	12/20/06	1346
ASE-126A-6D2MSD	I1220006	12/20/06	1515	12/20/06	1545
NWB11219	I1220007	12/20/06	1546	12/20/06	1616
NWB11219LCS	I1220008	12/20/06	1617	12/20/06	1647
KSTD4	I1220013	12/20/06	1850	12/20/06	1920

Comments:

AAB #: D0602022

Matrix: Water

[illegible]

25-157

December 27, 2006

Service Request No: D0602039

Shane Lowe
CH2M Hill
2625 S. Plaza Drive
Suite 300
Tempe, AZ 85282

RE: Sky Harbor/2959482

Dear Shane:

Enclosed are the results of the sample(s) submitted to our laboratory on December 12, 2006. For your reference, these analyses have been assigned our service request number D0602039.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAP standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please call if you have any questions. My extension is 105. You may also contact me via email at MFesler@redding.caslab.com.

Respectfully submitted,

Columbia Analytical Services, Inc.



Mark Fesler
Project Chemist

CC: Terri Krauss

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Current CAS Redding Accreditation Programs

Federal and National Programs

- U.S Air Force, Air Force Center for Environmental Excellence (AFCEE)
Approved laboratory for Wastewater and Hazardous Waste
- U.S. Army Corps of Engineers – MRD, HTRW Mandatory Center of Expertise
Validated for Wastewater and Hazardous Waste
- Department of the Navy, Naval Facilities Engineering Service Center (NFESC)
Approved laboratory for Wastewater and Hazardous Waste

State and Local Programs

- State of Alaska, Department of Environmental Conservation
Approved Laboratory for Contaminated Sites
Lab ID UST-001
- State of Arizona, Department of Health Services, Office of Laboratory Licensure
Approved Laboratory for Drinking Water, Wastewater, and Hazardous Waste
Lab ID AZ0604
- State of California, Department of Health Services, National Environmental Laboratory Accreditation Program (NELAP)
Approved Laboratory for Drinking Water, Wastewater and Hazardous Waste
Lab ID 01105CA
 - Los Angeles County Sanitation District
Approved Laboratory for Wastewater
Lab ID 10243
- State of California, Department of Health Services, Environmental Laboratory Accreditation Program (ELAP)
Approved Laboratory for Microbiology of Drinking Water and Wastewater
Lab ID 2635
- State of Florida, Department of Health, Bureau of Laboratories (NELAP)
Approved Environmental Testing Laboratory for Wastewater and Hazardous Waste
Lab ID E87203
- State of Kansas, Department of Health and Environment (NELAP)
Approved Laboratory for Hazardous Waste
Lab ID E-10323
- State of Massachusetts, Department of Environmental Protection
Approved laboratory for Drinking Water and Wastewater
Lab ID M-CA025
- State of Oklahoma, Department of Environmental Quality
Approved Laboratory for General Water Quality/Sludge Testing
Lab ID 9952
- State of Oregon, Environmental Laboratory Accreditation Program (ORELAP)
Approved Laboratory for Drinking Water, Wastewater, and Hazardous Waste
Lab ID CA200004
- State of Utah, Department of Health, Bureau of Laboratory Improvement (NELAP)
Approved Laboratory for Wastewater and Hazardous Waste
Lab ID QUAL1
- State of Washington, Department of Ecology
Approved Laboratory for Wastewater and Hazardous Waste
Lab ID C1234
- State of Wisconsin, Department of Natural Resources
Approved Laboratory for Wastewater and Hazardous Waste
Lab ID 999767340

Arizona Data Qualifiers

Revision 2.0, 11/26/2003

Developed by the Sub-committee of the
Arizona Environmental Laboratory Advisory Committee

Microbiology:

- A1 = Too numerous to count.
- A2 = Sample incubation period exceeded method requirement.
- A3 = Sample incubation period was shorter than method requirement.
- A4 = Target organism detected in associated method blank.
- A5 = Incubator/water bath temperature was outside method requirements.
- A6 = Target organism not detected in associated positive control.
- A7 = Micro sample received without adequate headspace.

Method/calibration blank:

- B1 = Target analyte detected in method blank at or above the method reporting limit.
- B2 = Non-target analyte detected in method blank and sample, producing interference.
- B3 = Target analyte detected in calibration blank at or above the method reporting limit.
- B4 = Target analyte detected in blank at/above method acceptance criteria.
- B5 = Target analyte detected in method blank at or above the method reporting limit, but below trigger level or MCL.
- B6 = Target analyte detected in calibration blank at or above the method reporting limit, but below trigger level or MCL.
- B7 = Target analyte detected in method blank at or above method reporting limit. Concentration found in the sample was 10 times above the concentration found in the method blank.

Confirmation:

- C1 = Confirmatory analysis not performed as required by the method.
- C3 = Qualitative confirmation performed.
- C4 = Confirmatory analysis was past holding time.
- C5 = Confirmatory analysis was past holding time. Original result not confirmed.
- C6 = Sample RPD between the primary and confirmatory analysis exceeded 40%. Per EPA Method 8000B, the higher value was reported as there was no obvious chromatographic interference.
- C7 = Sample RPD between the primary and confirmatory analysis exceeded 40%. Per EPA Method 8000B, the lower value was reported due to apparent chromatographic interference.

Dilution:

- D1 = Sample required dilution due to matrix.
- D2 = Sample required dilution due to high concentration of target analyte.
- D3 = Sample dilution required due to insufficient sample.
- D4 = Minimum reporting level (MRL) adjusted to reflect sample amount received and analyzed.

Estimated concentration:

- E1 = Concentration estimated. Analyte exceeded calibration range. Reanalysis not possible due to insufficient sample.
- E2 = Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to sample matrix.
- E3 = Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to holding time requirements.

- E4 = Concentration estimated. Analyte was detected below laboratory minimum reporting level (MRL).
- E5 = Concentration estimated. Analyte was detected below laboratory minimum reporting level (MRL), but not confirmed by alternate analysis.
- E6 = Concentration estimated. Internal standard recoveries did not meet method acceptance criteria.
- E7 = Concentration estimated. Internal standard recoveries did not meet laboratory acceptance criteria.
- E8 = Analyte reported to MDL per project specification. Target analyte was not detected in the sample.

Hold time:

- H1 = Sample analysis performed past holding time.
- H2 = Initial analysis within holding time. Reanalysis for the required dilution was past holding time.
- H3 = Sample was received and analyzed past holding time.
- H4 = Sample was extracted past required extraction holding time, but analyzed within analysis holding time.

BOD:

- K1 = The sample dilutions set-up for the BOD analysis did not meet the oxygen depletion criteria of at least 2 mg/L. Any reported result is an estimated value.
- K2 = The sample dilutions set up for the BOD analysis did not meet the criteria of a residual dissolved oxygen of at least 1 mg/L. Any reported result is an estimated value.
- K4 = The seed depletion was outside the method acceptance limits. The reported result is an estimated value.
- K5 = The dilution water D.O. depletion was > 0.2 mg/L.
- K6 = Glucose/glutamic acid BOD was below method acceptance criteria.
- K7 = A discrepancy between the BOD and COD results has been verified by reanalysis of the sample for COD.
- K8 = Glucose/glutamic acid BOD was above method acceptance levels.

Laboratory fortified blank/blank spike:

- L1 = The associated blank spike recovery was above laboratory acceptance limits.
- L2 = The associated blank spike recovery was below laboratory acceptance limits.
- L3 = The associated blank spike recovery was above method acceptance limits.
- L4 = The associated blank spike recovery was below method acceptance limits.

Matrix spike:

- M1 = Matrix spike recovery was high, the method control sample recovery was acceptable.
- M2 = Matrix spike recovery was low, the method control sample recovery was acceptable.
- M3 = The accuracy of the spike recovery value is reduced since the analyte concentration in the sample is disproportionate to spike level. The method control sample recovery was acceptable.
- M4 = The analysis of the spiked sample required a dilution such that the spike concentration was diluted below the reporting limit. The method control sample recovery was acceptable.
- M5 = Analyte concentration was determined by the method of standard addition (MSA).

Arizona Data Qualifiers
Revision 2.0, 11/26/2003

M6 = Matrix spike recovery was high. Data reported per ADEQ policy 0154.000.
M7 = Matrix spike recovery was low. Data reported per ADEQ policy 0154.000.

General:

N1 = See case narrative.
N2 = See corrective action report.
N3 = The analysis meets all method requirements. See case narrative.

Sample quality:

Q1 = Sample integrity was not maintained. See case narrative.
Q2 = Sample received with headspace.
Q3 = Sample received with improper chemical preservation.
Q4 = Sample received and analyzed without chemical preservation.
Q5 = Sample received with inadequate chemical preservation, but preserved by the laboratory.
Q6 = Sample was received above recommended temperature.
Q7 = Sample inadequately dechlorinated.
Q8 = Insufficient sample received to meet method QC requirements. Batch QC requirements satisfies ADEQ policies 0154 and 0155.
Q9 = Insufficient sample received to meet method QC requirements.
Q10 = Sample received in inappropriate sample container.
Q11 = Sample is heterogeneous. Sample homogeneity could not be readily achieved using routine laboratory practices.

Duplicates:

R1 = RPD exceeded the method control limit. See case narrative.
R2 = RPD exceeded the laboratory control limit. See case narrative.
R4 = MS/MSD RPD exceeded the method control limit. Recovery met acceptance criteria.
R5 = MS/MSD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.
R6 = LFB/LFBD RPD exceeded the method control limit. Recovery met acceptance criteria.
R7 = LFB/LFBD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.
R8 = Sample RPD exceeded the method control limit.
R9 = Sample RPD exceeded the laboratory control limit.
R10 = Sample RPD between the primary and confirmatory analysis exceeded 40%. Per EPA Method 8000B, the lower value was reported due to apparent chromatographic problems.
R11 = The RPD calculation for MS/MSD does not provide useful information due to the varying sample weights when Encore samplers/methanol field preserved samples are used.

Surrogate:

S1 = Surrogate recovery was above laboratory acceptance limits, but within method acceptance limits.
S3 = Surrogate recovery was above laboratory acceptance limits, but within method acceptance limits. No target analytes were detected in the sample.
S4 = Surrogate recovery was above laboratory and method acceptance limits. No target analytes were detected in the sample.
S5 = Surrogate recovery was below laboratory acceptance limits, but within method acceptance limits.
S6 = Surrogate recovery was below laboratory and method acceptance limits. Reextraction and/or reanalysis confirms low recovery caused by matrix effect.

Arizona Data Qualifiers

Revision 2.0, 11/26/2003

- S7 = Surrogate recovery was below laboratory and method acceptance limits. Unable to confirm matrix effect.
- S8 = The analysis of the sample required a dilution such that the surrogate recovery calculation does not provide any useful information. The method control sample recovery was acceptable.
- S10 = Surrogate recovery was above laboratory and method acceptance limits. See Case narrative.
- S11 = Surrogate recovery was high. Data reported per ADEQ policy 0154.000.
- S12 = Surrogate recovery was low. Data reported per ADEQ policy 0154.000.

Method/analyte discrepancies:

- T1 = Method approved by EPA, but not yet licensed by ADHS.
- T2 = Cited ADHS licensed method does not contain this analyte as part of method compound list.
- T3 = Method not promulgated either by EPA or ADHS.
- T4 = Tentatively identified compound. Concentration is estimated and based on the closest internal standard.

Calibration verification:

- V1 = CCV recovery was above method acceptance limits. This target analyte was not detected in the sample.
- V2 = CCV recovery was above method acceptance limits. This target analyte was detected in the sample. The sample could not be reanalyzed due to insufficient sample.
- V3 = CCV recovery was above method acceptance limits. This target analyte was detected in the sample, but the sample was not reanalyzed. See case narrative.
- V4 = CCV recovery was below method acceptance limits. The sample could not be reanalyzed due to insufficient sample.
- V5 = CCV recovery after a group of samples was above acceptance limits. This target analyte was not detected in the sample. Acceptable per EPA Method 8000B.
- V6 = Data reported from one-point calibration criteria per ADEQ policy 0155.000.
- V7 = Calibration verification recovery was above the method control limit for this analyte, however the average % difference or % drift for all the analytes met method criteria.
- V8 = Calibration verification recovery was below the method control limit for this analyte, however the average % difference or % drift for all the analytes met method criteria.

Calibration:

- W1 = The % RSD for this compound was above 20%. The average % RSD for all compounds in the calibration met the 20% criteria as specified in EPA method 8000B.
- W2 = The % RSD for this compound was above 15%. The average % RSD for all compounds in the calibration met the 15% criteria as specified in EPA method 8260B/8270C.

Client:
Project: Sky Harbor/2959482

Service Request: D0602039

SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
D0602039-001	TB121106	12/11/06	06:30
D0602039-002	PL-201A-6D2	12/11/06	07:19
D0602039-003	ASE-58A-6D2	12/11/06	07:53
D0602039-004	ASE-46A-6D2	12/11/06	06:48
D0602039-005	PL-504-6D2	12/11/06	06:58
D0602039-006	PL-2101-6D2	12/11/06	08:34
D0602039-007	ASE-54A-6D2	12/11/06	09:09
D0602039-008	PL-2102-6D2	12/11/06	09:50
D0602039-009	ASE-59A-6D2	12/11/06	11:59
D0602039-010	ASE-61A-6D2	12/11/06	10:33
D0602039-011	ASE-60A-6D2	12/11/06	11:10

CASE NARRATIVE

COLUMBIA ANALYTICAL SERVICES, INC.

Client: Honeywell International, Incorporated
Project: Sky Harbor
Sample Matrix: Aqueous

Service Request No.: D0602039
Date Received: 12/12/06

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier II data deliverables.

Sample Receipt

11 Aqueous samples were received for analysis at Columbia Analytical Services on 12/12/06.

No discrepancies were noted upon initial sample inspection. The samples were received in good condition and consistent with the accompanying chain of custody form. The samples were stored in a refrigerator at 4 degrees Celsius upon receipt at the laboratory.

Diesel Range Organics by EPA Method 8015B

No anomalies associated with the analysis of these samples by the above-mentioned method were observed.

Volatile Organic Compounds by EPA Method 8260B

No anomalies associated with the analysis of these samples by the above-mentioned method were observed.

Approved by: _____



Date: _____

12/27/06

CHAIN OF CUSTODY DOCUMENTATION

Transwest Geochem		Chain Of Custody / Analysis Request										COC #: 37380-061211A			
3725 E Atlanta Ave Phoenix, AZ 85040 Phone 602-437-0330		Page 1 of 1										Lab Use Only			
Client Contact: (name, co., address)		Project No:										Job No.			
Jennifer Holland		Site Name: Sky Harbor AZ										Location of Site: Phoenix, AZ			
CH2M HILL		Sampler: M. Wiese										Project Number: 2959460			
2625 South Plaza Dr STE 300		Analysis Turnaround Time:										MS/MSD			
Tempe, AZ 85282		24 Hour - <input type="checkbox"/>													
480-377-6287		7 Day - <input type="checkbox"/>													
		14 Day - <input type="checkbox"/>													
		21 Day - <input type="checkbox"/>													
		28 Day - <input type="checkbox"/>													
Sample Identification		Location ID	Field Sample ID	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Preservation Used	Use for MS / MSD	Filtered Sample	Unfiltered Sample	SW8015M	SW8260	Lab Sample Numbers
1	Trip Blank	TB121106		Dec 11 2006	0630	BLK WATER	WATER	3	X	X	X	X	X	X	
2	PL-201A	PL-201A-6D2		Dec 11 2006	0719	GW	WATER	5	X	X	X	X	X	X	
3	ASE-58A	ASE-58A-6D2		Dec 11 2006	0753	GW	WATER	5	X	X	X	X	X	X	
4	ASE-46A	ASE-46A-6D2		Dec 11 2006	0648	GW	WATER	5	X	X	X	X	X	X	
5	FIELDQC	PL-504-6D2		Dec 11 2006	0658	GW	WATER	5	X	X	X	X	X	X	
6	PL-2101	PL-2101-6D2		Dec 11 2006	0834	GW	WATER	5	X	X	X	X	X	X	
7	ASE-54A	ASE-54A-6D2		Dec 11 2006	0909	GW	WATER	5	X	X	X	X	X	X	
8	PL-2102	PL-2102-6D2		Dec 11 2006	0950	GW	WATER	5	X	X	X	X	X	X	
9	ASE-59A	ASE-59A-6D2		Dec 11 2006	1159	GW	WATER	5	X	X	X	X	X	X	
10	ASE-61A	ASE-61A-6D2		Dec 11 2006	1033	GW	WATER	5	X	X	X	X	X	X	
11	ASE-60A	ASE-60A-6D2		Dec 11 2006	1110	GW	WATER	5	X	X	X	X	X	X	
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															

Special Instructions: Standard TAT 10 days.

Relinquished by: R. Randall	Company: Hargin + Assoc.	Date/Time: 12/11/06 1235	Received by: [Signature]	Company: Transwest Geochem
Relinquished by: [Signature]	Company: Transwest Geochem	Date/Time: 12/11/06 1700	Received by: [Signature]	Company: UPS
Relinquished by: [Signature]	Company:	Date/Time:	Received by: [Signature]	Company: CAS

COOLER RECEIPT FORM

Project/Client: HONEYWELL Batch No.: _____

1. Cooler(s)/Sample(s) received on: 12-12-06 Shipped via: UPS

Shipping Bill # (s): _____ # of Coolers/Packages 4

2. Radiological Screening by: J JOHNSON Acceptable Rejected

3. Custody seals on outside of cooler: YES NO N/A

If yes, where? Front _____ Rear _____ Lt Side _____ Rt Side _____

Seals intact: YES NO

COOLER/SAMPLE PROCESSING

4. Sample Processing/Tagging by: JOEL R JOHNSON

5. Cooler(s)/Sample(s) Temp's: 1°C 1°C 1°C 1°C _____

(or)

Temp. Blank (if included): _____

6. Type of packing material (circle): Ice Blue Ice Bubble Wrap Bubble Bags Zip Locks Webbing

Other: _____

7. Custody papers properly filled out (ink, signed, dated, released, etc.)? YES NO

8. Containers arrived in good condition (not broken, leaking, etc.)? YES NO

9. Samples received with adequate holding time remaining to conduct analysis? YES NO

10. Container labels complete (i.e. analysis, preservation, date/time, etc.)? YES NO

11. Container labels and tags agree with custody papers? YES NO

12. Correct types of containers used for the tests indicated? YES NO

a.) Adequate sample received? If not, note on Exception Report. YES NO

13. Containers supplied by: CAS Other

14. Preserved containers received with the appropriate preservative? YES NO N/A

pH: VOA's @ C2 PER DOCS (or) See pH log.

15. VOA vials free of air bubbles? YES NO N/A

16. Trip Blank preparation date: 12/01/06 CAS Other N/A

17. Volatile Soil samples: Encores or Plugs in Vials

Freezer or GC/MS Date: _____ Time: N/A

See Exception Report for discrepancies.

**TPH DIESEL / MOTOR OIL RANGE
ORGANICS**

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482

Service Request: D0602039

Cover Page - Organic Analysis Data Package
TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name	Lab Code	Date Collected	Date Received
PL-201A-6D2	D0602039-002	12/11/2006	12/12/2006
ASE-58A-6D2	D0602039-003	12/11/2006	12/12/2006
ASE-46A-6D2	D0602039-004	12/11/2006	12/12/2006
PL-504-6D2	D0602039-005	12/11/2006	12/12/2006
PL-2101-6D2	D0602039-006	12/11/2006	12/12/2006
ASE-54A-6D2	D0602039-007	12/11/2006	12/12/2006
PL-2102-6D2	D0602039-008	12/11/2006	12/12/2006
ASE-59A-6D2	D0602039-009	12/11/2006	12/12/2006
ASE-61A-6D2	D0602039-010	12/11/2006	12/12/2006
ASE-60A-6D2	D0602039-011	12/11/2006	12/12/2006
ASE-60A-6D2MS	DWG0601086-1	12/11/2006	12/12/2006
ASE-60A-6D2DMS	DWG0601086-2	12/11/2006	12/12/2006

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: 

Name: Jamie Beckett

Date: 12/26/06

Title: Chemist

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602039
Date Collected: 12/11/2006
Date Received: 12/12/2006

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: PL-201A-6D2
Lab Code: D0602039-002
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
C10 - C22 DRO (TPH-Diesel)	24	J	480	20	1	12/13/06	12/22/06	E4
C22 - C32 HRO (TPH-Motor Oil)	ND	U	480	30	1	12/13/06	12/22/06	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Octacosane	87	26-152	12/22/06	
Tricontane	84	40-140	12/22/06	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602039
Date Collected: 12/11/2006
Date Received: 12/12/2006

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: ASE-58A-6D2
Lab Code: D0602039-003
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
C10 - C22 DRO (TPH-Diesel)	46	J	480	20	1	12/13/06	12/22/06	E4
C22 - C32 HRO (TPH-Motor Oil)	38	J	480	30	1	12/13/06	12/22/06	E4

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Octacosane	92	26-152	12/22/06	
Tricontane	90	40-140	12/22/06	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602039
Date Collected: 12/11/2006
Date Received: 12/12/2006

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: ASE-46A-6D2
Lab Code: D0602039-004
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
C10 - C22 DRO (TPH-Diesel)	110	J	480	20	1	12/13/06	12/22/06	E4
C22 - C32 HRO (TPH-Motor Oil)	ND	U	480	30	1	12/13/06	12/22/06	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Octacosane	80	26-152	12/22/06	
Tricontane	80	40-140	12/22/06	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602039
Date Collected: 12/11/2006
Date Received: 12/12/2006

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: PL-504-6D2
Lab Code: D0602039-005
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
C10 - C22 DRO (TPH-Diesel)	110 J	480	20	1	12/13/06	12/22/06	E4
C22 - C32 HRO (TPH-Motor Oil)	ND U	480	30	1	12/13/06	12/22/06	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Octacosane	88	26-152	12/22/06	
Tricontane	86	40-140	12/22/06	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602039
Date Collected: 12/11/2006
Date Received: 12/12/2006

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: PL-2101-6D2
Lab Code: D0602039-006
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
C10 - C22 DRO (TPH-Diesel)	23	J	480	20	1	12/13/06	12/22/06	E4
C22 - C32 HRO (TPH-Motor Oil)	ND	U	480	30	1	12/13/06	12/22/06	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Octacosane	90	26-152	12/22/06	
Tricontane	88	40-140	12/22/06	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602039
Date Collected: 12/11/2006
Date Received: 12/12/2006

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: ASE-54A-6D2
Lab Code: D0602039-007
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
C10 - C22 DRO (TPH-Diesel)	ND	U	480	20	1	12/13/06	12/22/06	
C22 - C32 HRO (TPH-Motor Oil)	ND	U	480	30	1	12/13/06	12/22/06	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Octacosane	88	26-152	12/22/06	
Tricontane	86	40-140	12/22/06	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602039
Date Collected: 12/11/2006
Date Received: 12/12/2006

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: PL-2102-6D2
Lab Code: D0602039-008
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
C10 - C22 DRO (TPH-Diesel)	ND	U	480	20	1	12/13/06	12/22/06	
C22 - C32 HRO (TPH-Motor Oil)	ND	U	480	30	1	12/13/06	12/22/06	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Octacosane	85	26-152	12/22/06	
Tricontane	84	40-140	12/22/06	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602039
Date Collected: 12/11/2006
Date Received: 12/12/2006

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: ASE-59A-6D2
Lab Code: D0602039-009
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
C10 - C22 DRO (TPH-Diesel)	ND U	480	20	1	12/13/06	12/22/06	
C22 - C32 HRO (TPH-Motor Oil)	ND U	480	30	1	12/13/06	12/22/06	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Octacosane	91	26-152	12/22/06	
Tricontane	89	40-140	12/22/06	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602039
Date Collected: 12/11/2006
Date Received: 12/12/2006

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: ASE-61A-6D2
Lab Code: D0602039-010
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
C10 - C22 DRO (TPH-Diesel)	ND	U	480	20	1	12/13/06	12/22/06	
C22 - C32 HRO (TPH-Motor Oil)	ND	U	480	30	1	12/13/06	12/22/06	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Octacosane	87	26-152	12/22/06	
Tricontane	86	40-140	12/22/06	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602039
Date Collected: 12/11/2006
Date Received: 12/12/2006

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: ASE-60A-6D2
Lab Code: D0602039-011
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
C10 - C22 DRO (TPH-Diesel)	ND	U	480	20	1	12/13/06	12/22/06	
C22 - C32 HRO (TPH-Motor Oil)	ND	U	480	30	1	12/13/06	12/22/06	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Octacosane	80	26-152	12/22/06	
Tricontane	79	40-140	12/22/06	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602039
Date Collected: NA
Date Received: NA

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: Method Blank
Lab Code: DWG0601086-4
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
C10 - C22 DRO (TPH-Diesel)	ND	U	500	20	1	12/13/06	12/22/06	
C22 - C32 HRO (TPH-Motor Oil)	ND	U	500	30	1	12/13/06	12/22/06	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Octacosane	81	26-152	12/22/06	
Tricontane	80	40-140	12/22/06	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602039

Surrogate Recovery Summary
TPH-Diesel / Motor Oil Range Organics by SW8015B

Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: PERCENT
Level: Low

<u>Sample Name</u>	<u>Lab Code</u>	<u>Sur1</u>	<u>Sur2</u>
PL-201A-6D2	D0602039-002	87	84
ASE-58A-6D2	D0602039-003	92	90
ASE-46A-6D2	D0602039-004	80	80
PL-504-6D2	D0602039-005	88	86
PL-2101-6D2	D0602039-006	90	88
ASE-54A-6D2	D0602039-007	88	86
PL-2102-6D2	D0602039-008	85	84
ASE-59A-6D2	D0602039-009	91	89
ASE-61A-6D2	D0602039-010	87	86
ASE-60A-6D2	D0602039-011	80	79
Method Blank	DWG0601086-4	81	80
ASE-60A-6D2MS	DWG0601086-1	104	101
ASE-60A-6D2DMS	DWG0601086-2	96	93
Lab Control Sample	DWG0601086-3	101	98

Surrogate Recovery Control Limits (%)

Sur1 = Octacosane	26-152
Sur2 = Tricontane	40-140

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602039
Date Extracted: 12/13/2006
Date Analyzed: 12/22/2006 -
12/23/2006

Matrix Spike/Duplicate Matrix Spike Summary
TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: ASE-60A-6D2
Lab Code: D0602039-011
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: DWG0601086

Analyte Name	Sample Result	ASE-60A-6D2MS DWG0601086-1 Matrix Spike			ASE-60A-6D2DMS DWG0601086-2 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
C10 - C22 DRO (TPH-Diesel)	ND	1900	2380	80	1750	2380	73	61-143	8	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602039
Date Extracted: 12/13/2006
Date Analyzed: 12/22/2006

Lab Control Spike Summary
TPH-Diesel / Motor Oil Range Organics by SW8015B

Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: DWG0601086

Lab Control Sample DWG0601086-3 Lab Control Spike				
Analyte Name	Result	Expected	%Rec	%Rec Limits
C10 - C22 DRO (TPH-Diesel)	1940	2500	78	61-143
C22 - C32 HRO (TPH-Motor Oil)	1940	2500	78	60-120

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

GC/MS VOLATILE ORGANICS

ORGANIC ANALYSES DATA PACKAGE

Analytical Method: SW8260

AAB #: D0602039

Lab Name: Columbia Analytical Services/Redding

Base/Command: ARIZONA DELIVERABLES

Project: Sky Harbor

Field Sample ID

Lab Sample ID

TB121106

D0602039-001

PL-201A-6D2

D0602039-002

ASE-58A-6D2

D0602039-003

ASE-46A-6D2

D0602039-004

PL-504-6D2

D0602039-005

PL-2101-6D2

D0602039-006

ASE-54A-6D2

D0602039-007

PL-2102-6D2

D0602039-008

ASE-59A-6D2

D0602039-009

ASE-61A-6D2

D0602039-010

ASE-60A-6D2

D0602039-011

ASE-60A-6D2MS

D0602039-011MS

ASE-60A-6D2MSD

D0602039-011MSD

Comments:

I certify this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: TBM

Name: Technical Manager

Date: 12/18/06

Title: Brian Moore

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602039

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: TB121106

Lab Sample ID: D0602039-001 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/12/06

Date Extracted:

Date Analyzed: 12/13/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	ND	1		
Vinyl chloride	0.22	1.0	ND	1		
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	ND	1		
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	ND	1		
Acetone	1.0	20	2.4	1		E4
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	ND	1		
1,1-Dichloroethane	0.12	2.0	ND	1		
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	ND	1		
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	ND	1		
1,1,1-Trichloroethane	0.14	2.0	ND	1		
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	ND	1		
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	ND	1		
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	ND	1		
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	ND	1		
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A

Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602039

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: TB121106

Lab Sample ID: D0602039-001

Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/12/06

Date Extracted:

Date Analyzed: 12/13/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	ND	1		
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	ND	1		
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	ND	1		
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	ND	1		
Xylene (total)	0.14	10	ND	1		
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	ND	1		
Isopropylbenzene	0.17	2.0	ND	1		
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	ND	1		
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	ND	1		
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	ND	1		
1,2,4-Trimethylbenzene	0.13	2.0	ND	1		
sec-Butylbenzene	0.17	5.0	ND	1		
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	ND	1		
1,4-Dichlorobenzene	0.11	1.0	ND	1		
n-Butylbenzene	0.33	5.0	ND	1		
1,2-Dichlorobenzene	0.14	1.0	ND	1		
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		
Naphthalene	0.29	2.0	ND	1		
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2

RESULTS

Analytical Method: SW8260

AAB #: D0602039

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: TB121106

Lab Sample ID: D0602039-001 Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/12/06

Date Extracted:

Date Analyzed: 12/13/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	102	82-124	
Dibromofluoromethane - SS	100	84-127	
Toluene-d8 - SS	102	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602039

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: PL-201A-6D2

Lab Sample ID: D0602039-002 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/12/06

Date Extracted:

Date Analyzed: 12/13/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	ND	1		
Vinyl chloride	0.22	1.0	2.5	1		
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	ND	1		
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	0.20	1		E4
Acetone	1.0	20	ND	1		
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	1.7	1		
1,1-Dichloroethane	0.12	2.0	12	1		
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	0.52	1		E4
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	0.78	1		E4
1,1,1-Trichloroethane	0.14	2.0	ND	1		
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	0.13	1		E4
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	1.1	1		
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	ND	1		
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	0.18	1		E4
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602039

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: PL-201A-6D2

Lab Sample ID: D0602039-002

Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/12/06

Date Extracted:

Date Analyzed: 12/13/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	0.41	1		E4
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	ND	1		
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	0.42	1		E4
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	ND	1		
Xylene (total)	0.14	10	ND	1		
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	ND	1		
Isopropylbenzene	0.17	2.0	0.37	1		E4
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	0.39	1		E4
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	ND	1		
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	ND	1		
1,2,4-Trimethylbenzene	0.13	2.0	ND	1		
sec-Butylbenzene	0.17	5.0	0.29	1		E4
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	ND	1		
1,4-Dichlorobenzene	0.11	1.0	0.16	1		E4
n-Butylbenzene	0.33	5.0	ND	1		
1,2-Dichlorobenzene	0.14	1.0	ND	1		
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		
Naphthalene	0.29	2.0	0.35	1		E4
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602039

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: PL-201A-6D2

Lab Sample ID: D0602039-002 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/12/06

Date Extracted:

Date Analyzed: 12/13/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	101	82-124	
Dibromofluoromethane - SS	103	84-127	
Toluene-d8 - SS	101	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602039

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-58A-6D2

Lab Sample ID: D0602039-003 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/12/06

Date Extracted:

Date Analyzed: 12/13/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	ND	1		
Vinyl chloride	0.22	1.0	4.6	1		
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	ND	1		
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	ND	1		
Acetone	1.0	20	ND	1		
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	5.2	1		
1,1-Dichloroethane	0.12	2.0	16	1		
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	0.63	1		E4
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	0.28	1		E4
1,1,1-Trichloroethane	0.14	2.0	ND	1		
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	2.1	1		
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	0.68	1		E4
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	ND	1		
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	ND	1		
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602039

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-58A-6D2

Lab Sample ID: D0602039-003 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/12/06

Date Extracted:

Date Analyzed: 12/13/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	0.27	1		E4
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	ND	1		
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	0.28	1		E4
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	0.24	1		E4
Xylene (total)	0.14	10	ND	1		
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	ND	1		
Isopropylbenzene	0.17	2.0	1.2	1		E4
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	0.32	1		E4
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	ND	1		
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	0.24	1		E4
1,2,4-Trimethylbenzene	0.13	2.0	ND	1		
sec-Butylbenzene	0.17	5.0	0.96	1		E4
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	ND	1		
1,4-Dichlorobenzene	0.11	1.0	ND	1		
n-Butylbenzene	0.33	5.0	ND	1		
1,2-Dichlorobenzene	0.14	1.0	ND	1		
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		
Naphthalene	0.29	2.0	ND	1		
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2

RESULTS

Analytical Method: SW8260

AAB #: D0602039

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-58A-6D2

Lab Sample ID: D0602039-003 Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/12/06

Date Extracted:

Date Analyzed: 12/13/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	101	82-124	
Dibromofluoromethane - SS	99	84-127	
Toluene-d8 - SS	102	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602039

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-46A-6D2

Lab Sample ID: D0602039-004 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/12/06

Date Extracted:

Date Analyzed: 12/13/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	ND	1		
Vinyl chloride	0.22	1.0	14	1		
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	8.0	1		
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	0.27	1		E4
Acetone	1.0	20	1.1	1		E4
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	10	1		
1,1-Dichloroethane	0.12	2.0	78	1		
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	2.7	1		
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	ND	1		
1,1,1-Trichloroethane	0.14	2.0	ND	1		
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	4.6	1		
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	2.4	1		
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	ND	1		
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	0.80	1		E4
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602039

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-46A-6D2

Lab Sample ID: D0602039-004

Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/12/06

Date Extracted: _____

Date Analyzed: 12/13/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	0.77	1		E4
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	0.17	1		E4
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	2.0	1		
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	0.22	1		E4
Xylene (total)	0.14	10	0.41	1		E4
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	1.7	1		E4
Isopropylbenzene	0.17	2.0	3.8	1		
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	2.0	1		
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	0.20	1		E4
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	0.32	1		E4
1,2,4-Trimethylbenzene	0.13	2.0	0.14	1		E4
sec-Butylbenzene	0.17	5.0	1.1	1		E4
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	0.11	1		E4
1,4-Dichlorobenzene	0.11	1.0	0.44	1		E4
n-Butylbenzene	0.33	5.0	ND	1		
1,2-Dichlorobenzene	0.14	1.0	0.20	1		E4
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		
Naphthalene	0.29	2.0	1.3	1		E4
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602039

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-46A-6D2

Lab Sample ID: D0602039-004 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/12/06

Date Extracted:

Date Analyzed: 12/13/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	102	82-124	
Dibromofluoromethane - SS	100	84-127	
Toluene-d8 - SS	102	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602039

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: PL-504-6D2

Lab Sample ID: D0602039-005

Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/12/06

Date Extracted:

Date Analyzed: 12/13/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	ND	1		
Vinyl chloride	0.22	1.0	15	1		
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	8.7	1		
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	0.29	1		E4
Acetone	1.0	20	1.2	1		E4
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	10	1		
1,1-Dichloroethane	0.12	2.0	85	1		
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	2.6	1		
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	ND	1		
1,1,1-Trichloroethane	0.14	2.0	ND	1		
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	4.9	1		
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	2.2	1		
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	ND	1		
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	0.84	1		E4
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602039

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: PL-504-6D2

Lab Sample ID: D0602039-005

Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/12/06

Date Extracted:

Date Analyzed: 12/13/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	0.85	1		E4
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	0.17	1		E4
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	2.2	1		
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	0.23	1		E4
Xylene (total)	0.14	10	0.44	1		E4
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	1.7	1		E4
Isopropylbenzene	0.17	2.0	4.2	1		
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	2.2	1		
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	ND	1		
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	0.31	1		E4
1,2,4-Trimethylbenzene	0.13	2.0	0.17	1		E4
sec-Butylbenzene	0.17	5.0	1.3	1		E4
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	0.13	1		E4
1,4-Dichlorobenzene	0.11	1.0	0.46	1		E4
n-Butylbenzene	0.33	5.0	ND	1		
1,2-Dichlorobenzene	0.14	1.0	0.20	1		E4
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		
Naphthalene	0.29	2.0	1.5	1		E4
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2

RESULTS

Analytical Method: SW8260

AAB #: D0602039

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: PL-504-6D2

Lab Sample ID: D0602039-005 Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/12/06

Date Extracted:

Date Analyzed: 12/13/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	102	82-124	
Dibromofluoromethane - SS	100	84-127	
Toluene-d8 - SS	100	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602039

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: PL-2101-6D2

Lab Sample ID: D0602039-006

Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/12/06

Date Extracted: _____

Date Analyzed: 12/13/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	ND	1		
Vinyl chloride	0.22	1.0	12	1		
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	1.0	1		E4
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	ND	1		
Acetone	1.0	20	ND	1		
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	0.95	1		E4
1,1-Dichloroethane	0.12	2.0	12	1		
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	ND	1		
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	0.16	1		E4
1,1,1-Trichloroethane	0.14	2.0	ND	1		
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	0.33	1		E4
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	0.51	1		E4
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	ND	1		
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	ND	1		
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602039

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: PL-2101-6D2

Lab Sample ID: D0602039-006

Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/12/06

Date Extracted: _____

Date Analyzed: 12/13/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	0.27	1		E4
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	ND	1		
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	0.21	1		E4
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	ND	1		
Xylene (total)	0.14	10	ND	1		
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	ND	1		
Isopropylbenzene	0.17	2.0	0.19	1		E4
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	0.26	1		E4
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	ND	1		
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	ND	1		
1,2,4-Trimethylbenzene	0.13	2.0	ND	1		
sec-Butylbenzene	0.17	5.0	0.36	1		E4
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	ND	1		
1,4-Dichlorobenzene	0.11	1.0	ND	1		
n-Butylbenzene	0.33	5.0	ND	1		
1,2-Dichlorobenzene	0.14	1.0	ND	1		
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		
Naphthalene	0.29	2.0	ND	1		
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2

RESULTS

Analytical Method: SW8260

AAB #: D0602039

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: PL-2101-6D2

Lab Sample ID: D0602039-006 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/12/06

Date Extracted:

Date Analyzed: 12/13/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	100	82-124	
Dibromofluoromethane - SS	99	84-127	
Toluene-d8 - SS	101	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602039

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-54A-6D2

Lab Sample ID: D0602039-007

Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/12/06

Date Extracted:

Date Analyzed: 12/13/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	ND	1		
Vinyl chloride	0.22	1.0	ND	1		
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	ND	1		
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	ND	1		
Acetone	1.0	20	ND	1		
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	ND	1		
1,1-Dichloroethane	0.12	2.0	0.50	1		E4
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	ND	1		
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	0.49	1		E4
1,1,1-Trichloroethane	0.14	2.0	ND	1		
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	ND	1		
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	0.70	1		E4
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	0.26	1		E4
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	ND	1		
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602039

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-54A-6D2

Lab Sample ID: D0602039-007

Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/12/06

Date Extracted:

Date Analyzed: 12/13/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	0.33	1		E4
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	ND	1		
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	0.46	1		E4
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	ND	1		
Xylene (total)	0.14	10	ND	1		
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	ND	1		
Isopropylbenzene	0.17	2.0	0.20	1		E4
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	0.29	1		E4
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	ND	1		
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	ND	1		
1,2,4-Trimethylbenzene	0.13	2.0	ND	1		
sec-Butylbenzene	0.17	5.0	0.21	1		E4
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	ND	1		
1,4-Dichlorobenzene	0.11	1.0	0.15	1		E4
n-Butylbenzene	0.33	5.0	ND	1		
1,2-Dichlorobenzene	0.14	1.0	ND	1		
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		
Naphthalene	0.29	2.0	ND	1		
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A

Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602039

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-54A-6D2

Lab Sample ID: D0602039-007 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/12/06

Date Extracted:

Date Analyzed: 12/13/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	99	82-124	
Dibromofluoromethane - SS	98	84-127	
Toluene-d8 - SS	101	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602039

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: PL-2102-6D2

Lab Sample ID: D0602039-008

Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/12/06

Date Extracted:

Date Analyzed: 12/13/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	ND	1		
Vinyl chloride	0.22	1.0	ND	1		
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	ND	1		
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	ND	1		
Acetone	1.0	20	ND	1		
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	ND	1		
1,1-Dichloroethane	0.12	2.0	ND	1		
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	ND	1		
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	0.37	1		E4
1,1,1-Trichloroethane	0.14	2.0	ND	1		
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	ND	1		
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	0.61	1		E4
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	ND	1		
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	ND	1		
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602039

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: PL-2102-6D2

Lab Sample ID: D0602039-008

Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/12/06

Date Extracted:

Date Analyzed: 12/13/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	0.36	1		E4
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	ND	1		
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	0.27	1		E4
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	ND	1		
Xylene (total)	0.14	10	ND	1		
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	ND	1		
Isopropylbenzene	0.17	2.0	ND	1		
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	0.22	1		E4
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	ND	1		
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	ND	1		
1,2,4-Trimethylbenzene	0.13	2.0	ND	1		
sec-Butylbenzene	0.17	5.0	0.18	1		E4
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	ND	1		
1,4-Dichlorobenzene	0.11	1.0	0.12	1		E4
n-Butylbenzene	0.33	5.0	ND	1		
1,2-Dichlorobenzene	0.14	1.0	ND	1		
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		
Naphthalene	0.29	2.0	ND	1		
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2

RESULTS

Analytical Method: SW8260

AAB #: D0602039

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: PL-2102-6D2

Lab Sample ID: D0602039-008 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/12/06

Date Extracted:

Date Analyzed: 12/13/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	100	82-124	
Dibromofluoromethane - SS	100	84-127	
Toluene-d8 - SS	100	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602039

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-59A-6D2

Lab Sample ID: D0602039-009

Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/12/06

Date Extracted: _____

Date Analyzed: 12/13/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	ND	1		
Vinyl chloride	0.22	1.0	ND	1		
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	0.87	1		E4
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	1.7	1		E4
Acetone	1.0	20	ND	1		
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	ND	1		
1,1-Dichloroethane	0.12	2.0	38	1		
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	0.54	1		E4
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	0.92	1		E4
1,1,1-Trichloroethane	0.14	2.0	ND	1		
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	ND	1		
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	12	1		
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	0.28	1		E4
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	ND	1		
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602039

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-59A-6D2

Lab Sample ID: D0602039-009

Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/12/06

Date Extracted:

Date Analyzed: 12/13/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	1.2	1		
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	ND	1		
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	ND	1		
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	ND	1		
Xylene (total)	0.14	10	ND	1		
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	ND	1		
Isopropylbenzene	0.17	2.0	ND	1		
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	0.16	1		E4
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	ND	1		
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	ND	1		
1,2,4-Trimethylbenzene	0.13	2.0	ND	1		
sec-Butylbenzene	0.17	5.0	ND	1		
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	ND	1		
1,4-Dichlorobenzene	0.11	1.0	ND	1		
n-Butylbenzene	0.33	5.0	ND	1		
1,2-Dichlorobenzene	0.14	1.0	ND	1		
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		
Naphthalene	0.29	2.0	ND	1		
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602039

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-59A-6D2

Lab Sample ID: D0602039-009 Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/12/06

Date Extracted:

Date Analyzed: 12/13/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	103	82-124	
Dibromofluoromethane - SS	102	84-127	
Toluene-d8 - SS	103	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602039

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-61A-6D2

Lab Sample ID: D0602039-010

Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/12/06

Date Extracted:

Date Analyzed: 12/13/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	ND	1		
Vinyl chloride	0.22	1.0	ND	1		
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	ND	1		
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	2.2	1		
Acetone	1.0	20	ND	1		
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	ND	1		
1,1-Dichloroethane	0.12	2.0	0.88	1		E4
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	ND	1		
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	1.1	1		E4
1,1,1-Trichloroethane	0.14	2.0	ND	1		
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	ND	1		
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	2.9	1		
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	0.21	1		E4
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	0.17	1		E4
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602039

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-61A-6D2

Lab Sample ID: D0602039-010

Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/12/06

Date Extracted:

Date Analyzed: 12/13/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	2.2	1		
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	ND	1		
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	0.16	1		E4
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	ND	1		
Xylene (total)	0.14	10	ND	1		
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	ND	1		
Isopropylbenzene	0.17	2.0	ND	1		
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	0.18	1		E4
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	ND	1		
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	ND	1		
1,2,4-Trimethylbenzene	0.13	2.0	ND	1		
sec-Butylbenzene	0.17	5.0	ND	1		
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	ND	1		
1,4-Dichlorobenzene	0.11	1.0	ND	1		
n-Butylbenzene	0.33	5.0	ND	1		
1,2-Dichlorobenzene	0.14	1.0	ND	1		
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		
Naphthalene	0.29	2.0	ND	1		
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2

RESULTS

Analytical Method: SW8260

AAB #: D0602039

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-61A-6D2

Lab Sample ID: D0602039-010 Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/12/06

Date Extracted:

Date Analyzed: 12/13/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	101	82-124	
Dibromofluoromethane - SS	100	84-127	
Toluene-d8 - SS	101	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602039

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-60A-6D2

Lab Sample ID: D0602039-011

Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/12/06

Date Extracted: _____

Date Analyzed: 12/13/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	ND	1		
Vinyl chloride	0.22	1.0	ND	1		
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	ND	1		
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	1.9	1		E4
Acetone	1.0	20	ND	1		
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	ND	1		
1,1-Dichloroethane	0.12	2.0	0.75	1		E4
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	0.32	1		E4
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	1.1	1		E4
1,1,1-Trichloroethane	0.14	2.0	ND	1		
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	ND	1		
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	32	1		
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	ND	1		
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	0.15	1		E4
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602039

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-60A-6D2

Lab Sample ID: D0602039-011 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/12/06

Date Extracted:

Date Analyzed: 12/13/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	2.0	1		
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	ND	1		
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	0.18	1		E4
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	ND	1		
Xylene (total)	0.14	10	ND	1		
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	ND	1		
Isopropylbenzene	0.17	2.0	ND	1		
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	0.15	1		E4
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	ND	1		
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	ND	1		
1,2,4-Trimethylbenzene	0.13	2.0	ND	1		
sec-Butylbenzene	0.17	5.0	ND	1		
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	ND	1		
1,4-Dichlorobenzene	0.11	1.0	ND	1		
n-Butylbenzene	0.33	5.0	ND	1		
1,2-Dichlorobenzene	0.14	1.0	ND	1		
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		
Naphthalene	0.29	2.0	ND	1		
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2

RESULTS

Analytical Method: SW8260

AAB #: D0602039

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-60A-6D2

Lab Sample ID: D0602039-011 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/12/06

Date Extracted:

Date Analyzed: 12/13/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	103	82-124	
Dibromofluoromethane - SS	103	84-127	
Toluene-d8 - SS	103	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

ORGANIC ANALYSES DATA SHEET 6
BLANKS

Analytical Method: SW8260 AAB #: D0602039

Lab Name: Columbia Analytical Services/Redding

Concentration Units (ug/L or mg/kg): UG/L Method Blank ID: M1213W01

Lab Sample ID: M1213W01

Initial Calibration ID: 12/05/06MSM

Analyte	MDL	Method Blank	RL	Q
Dichlorodifluoromethane	0.36	ND	5.0	
Chloromethane	0.23	ND	5.0	
Vinyl chloride	0.22	ND	1.0	
Bromomethane	0.27	ND	1.0	
Chloroethane	0.20	ND	5.0	
Trichlorofluoromethane	0.14	ND	5.0	
1,1-Dichloroethene	0.19	ND	2.0	
Acetone	1.0	ND	20	
Carbon disulfide	0.11	ND	5.0	
Methylene chloride	0.15	ND	5.0	
Iodomethane	0.20	ND	10	
trans-1,2-Dichloroethene	0.16	ND	2.0	
Tert-butylmethylether	0.17	ND	1.0	
1,1-Dichloroethane	0.12	ND	2.0	
Vinyl acetate	0.84	ND	25	
2,2-Dichloropropane	0.33	ND	2.0	
cis-1,2-Dichloroethene	0.17	ND	2.0	
2-Butanone	0.90	ND	10	
Bromochloromethane	0.25	ND	5.0	
Chloroform	0.14	ND	2.0	
1,1,1-Trichloroethane	0.14	ND	2.0	
1,1-Dichloropropene	0.18	ND	2.0	
Carbon tetrachloride	0.18	ND	2.0	
Benzene	0.12	ND	1.0	
1,2-Dichloroethane	0.18	ND	1.0	
Trichloroethene	0.10	ND	1.0	
1,2-Dichloropropane	0.17	ND	2.0	
Dibromomethane	0.18	ND	2.0	
Bromodichloromethane	0.17	ND	1.0	
cis-1,3-Dichloropropene	0.13	ND	2.0	
4-methyl-2-pentanone	0.85	ND	10	
Toluene	0.14	ND	2.0	
trans-1,3-Dichloropropene	0.19	ND	2.0	

Comments:

ORGANIC ANALYSES DATA SHEET 6
BLANKS

Analytical Method: SW8260

AAB #: D0602039

Lab Name: Columbia Analytical Services/Redding

Concentration Units (ug/L or mg/kg): UG/L Method Blank ID: M1213W01

Lab Sample ID: M1213W01

Initial Calibration ID: 12/05/06MSM

Analyte	MDL	Method Blank	RL	Q
1,1,2-Trichloroethane	0.22	ND	1.0	
Tetrachloroethene	0.22	ND	1.0	
1,3-Dichloropropane	0.11	ND	2.0	
2-Hexanone	0.58	ND	10	
Dibromochloromethane	0.15	ND	2.0	
1,2-Dibromoethane	0.15	ND	2.0	
Chlorobenzene	0.15	ND	1.0	
1,1,1,2-Tetrachloroethane	0.23	ND	5.0	
Ethylbenzene	0.15	ND	2.0	
Xylene (total)	0.14	ND	10	
Styrene	0.16	ND	2.0	
Bromoform	0.18	ND	5.0	
Isopropylbenzene	0.17	ND	2.0	
1,1,2,2-Tetrachloroethane	0.17	ND	1.0	
Bromobenzene	0.17	ND	5.0	
1,2,3-Trichloropropane	0.20	ND	10	
n-Propylbenzene	0.13	ND	2.0	
2-Chlorotoluene	0.16	ND	5.0	
1,3,5-Trimethylbenzene	0.15	ND	2.0	
4-Chlorotoluene	0.16	ND	5.0	
tert-Butylbenzene	0.18	ND	5.0	
1,2,4-Trimethylbenzene	0.13	ND	2.0	
sec-Butylbenzene	0.17	ND	5.0	
1,3-Dichlorobenzene	0.11	ND	1.0	
p-Isopropyltoluene	0.10	ND	2.0	
1,4-Dichlorobenzene	0.11	ND	1.0	
n-Butylbenzene	0.33	ND	5.0	
1,2-Dichlorobenzene	0.14	ND	1.0	
1,2-Dibromo-3-chloropropane	0.81	ND	5.0	
1,2,4-Trichlorobenzene	0.36	ND	5.0	
Hexachlorobutadiene	0.60	ND	1.0	
Naphthalene	0.29	ND	2.0	
1,2,3-Trichlorobenzene	0.37	ND	5.0	

Comments:

ORGANIC ANALYSES DATA SHEET 6
BLANKS

Analytical Method: SW8260 AAB #: D0602039

Lab Name: Columbia Analytical Services/Redding

Concentration Units (ug/L or mg/kg): UG/L Method Blank ID: M1213W01

Lab Sample ID: M1213W01

Initial Calibration ID: 12/05/06MSM

Analyte	MDL	Method Blank	RL	Q

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	102	82-124	
Dibromofluoromethane - SS	101	84-127	
Toluene-d8 - SS	101	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260

AAB #: D0602039

Lab Name: Columbia Analytical Services/Redding

LCS ID: M1213W01LCS

Concentration Units (ug/L or mg/kg): UG/L

Date Extracted: _____ Date Analyzed: 12/13/06

Initial Calibration ID: 12/05/06MSM

Analyte	Expected	Found	%R	Control Limits	Q
Dichlorodifluoromethane	10.0	12.2	122	27-158	
Chloromethane	10.0	10.8	108	51-137	
Vinyl chloride	10.0	10.7	107	57-137	
Bromomethane	10.0	11.3	113	44-156	
Chloroethane	10.0	11.0	110	60-140	
Trichlorofluoromethane	10.0	12.5	125	54-146	
1,1-Dichloroethene	10.0	11.0	110	70-130	
Acetone	50.0	45.6	91	55-137	
Carbon disulfide	10.0	10.0	100	50-127	
Methylene chloride	10.0	9.9	99	73-121	
Iodomethane	10.0	9.5	95	50-150	E4
trans-1,2-Dichloroethene	10.0	9.6	96	74-124	
Tert-butylmethylether	10.0	9.9	99	75-119	
1,1-Dichloroethane	10.0	9.8	98	78-121	
Vinyl acetate	10.0	11.2	112	52-129	E4
2,2-Dichloropropane	10.0	10.0	100	61-137	
cis-1,2-Dichloroethene	10.0	10.3	103	80-118	
2-Butanone	50.0	48.8	98	76-122	
Bromochloromethane	10.0	9.8	98	82-118	
Chloroform	10.0	9.7	97	73-125	
1,1,1-Trichloroethane	10.0	9.6	96	76-124	
1,1-Dichloropropene	10.0	10.1	101	80-119	
Carbon tetrachloride	10.0	9.7	97	68-135	
Benzene	10.0	10.1	101	81-119	
1,2-Dichloroethane	10.0	9.6	96	75-122	
Trichloroethene	10.0	9.9	99	79-118	
1,2-Dichloropropane	10.0	9.7	97	82-115	
Dibromomethane	10.0	9.9	99	84-116	
Bromodichloromethane	10.0	10.0	100	81-122	
cis-1,3-Dichloropropene	10.0	10.2	102	78-118	
4-methyl-2-pentanone	50.0	51.5	103	81-127	
Toluene	10.0	9.8	98	83-116	
trans-1,3-Dichloropropene	10.0	10.0	100	73-122	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260

AAB #: D0602039

Lab Name: Columbia Analytical Services/Redding

LCS ID: M1213W01LCS

Concentration Units (ug/L or mg/kg): UG/L

Date Extracted: _____ Date Analyzed: 12/13/06

Initial Calibration ID: 12/05/06MSM

Analyte	Expected	Found	%R	Control Limits	Q
1,1,2-Trichloroethane	10.0	10.0	100	83-120	
Tetrachloroethene	10.0	10.2	102	82-118	
1,3-Dichloropropane	10.0	10.0	100	82-119	
2-Hexanone	50.0	50.8	102	81-130	
Dibromochloromethane	10.0	10.1	101	79-124	
1,2-Dibromoethane	10.0	10.1	101	82-116	
Chlorobenzene	10.0	10.0	100	86-114	
1,1,1,2-Tetrachloroethane	10.0	10.0	100	79-122	
Ethylbenzene	10.0	10.2	102	86-116	
Xylene (total)	30.0	30.7	102	85-117	
Styrene	10.0	10.3	103	84-119	
Bromoform	10.0	9.5	95	71-133	
Isopropylbenzene	10.0	10.6	106	77-117	
1,1,2,2-Tetrachloroethane	10.0	9.8	98	80-117	
Bromobenzene	10.0	10.1	101	84-120	
1,2,3-Trichloropropane	10.0	10.1	101	81-122	
n-Propylbenzene	10.0	10.4	104	87-117	
2-Chlorotoluene	10.0	10.3	103	87-119	
1,3,5-Trimethylbenzene	10.0	10.3	103	83-120	
4-Chlorotoluene	10.0	10.1	101	86-118	
tert-Butylbenzene	10.0	8.8	88	82-122	
1,2,4-Trimethylbenzene	10.0	10.4	104	86-121	
sec-Butylbenzene	10.0	10.7	107	84-128	
1,3-Dichlorobenzene	10.0	10.0	100	85-119	
p-Isopropyltoluene	10.0	10.2	102	84-121	
1,4-Dichlorobenzene	10.0	10.0	100	84-118	
n-Butylbenzene	10.0	9.8	98	81-123	
1,2-Dichlorobenzene	10.0	10.0	100	85-117	
1,2-Dibromo-3-chloropropane	40.0	38.6	96	67-121	
1,2,4-Trichlorobenzene	10.0	9.8	98	69-128	
Hexachlorobutadiene	10.0	10.1	101	71-135	
Naphthalene	10.0	10.5	105	60-131	
1,2,3-Trichlorobenzene	10.0	9.8	98	69-130	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260

AAB #: D0602039

Lab Name: Columbia Analytical Services/Redding

LCS ID: M1213W01LCS Concentration Units (ug/L or mg/kg): UG/L

Date Extracted: _____ Date Analyzed: 12/13/06

Initial Calibration ID: 12/05/06MSM

Analyte	Expected	Found	%R	Control Limits	Q

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	102	82-124	
Dibromofluoromethane - SS	102	84-127	
Toluene-d8 - SS	101	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260

AAB #: D0602039

Lab Name: Columbia Analytical Services/Redding

LCS ID: M1213W01LCSD

Concentration Units (ug/L or mg/kg): UG/L

Date Extracted: _____ Date Analyzed: 12/13/06

Initial Calibration ID: 12/05/06MSM

Analyte	Expected	Found	%R	Control Limits	Q
Dichlorodifluoromethane	10.0	11.5	115	27-158	
Chloromethane	10.0	10.6	106	51-137	
Vinyl chloride	10.0	10.5	105	57-137	
Bromomethane	10.0	11.1	111	44-156	
Chloroethane	10.0	10.9	109	60-140	
Trichlorofluoromethane	10.0	11.4	114	54-146	
1,1-Dichloroethene	10.0	10.9	109	70-130	
Acetone	50.0	44.6	89	55-137	
Carbon disulfide	10.0	10.0	100	50-127	
Methylene chloride	10.0	9.8	98	73-121	
Iodomethane	10.0	9.4	94	50-150	E4
trans-1,2-Dichloroethene	10.0	9.5	95	74-124	
Tert-butylmethylether	10.0	9.7	97	75-119	
1,1-Dichloroethane	10.0	9.7	97	78-121	
Vinyl acetate	10.0	10.5	105	52-129	E4
2,2-Dichloropropane	10.0	10.0	100	61-137	
cis-1,2-Dichloroethene	10.0	10.0	100	80-118	
2-Butanone	50.0	47.0	94	76-122	
Bromochloromethane	10.0	9.8	98	82-118	
Chloroform	10.0	9.5	95	73-125	
1,1,1-Trichloroethane	10.0	9.6	96	76-124	
1,1-Dichloropropene	10.0	9.9	99	80-119	
Carbon tetrachloride	10.0	9.7	97	68-135	
Benzene	10.0	10.0	100	81-119	
1,2-Dichloroethane	10.0	9.6	96	75-122	
Trichloroethene	10.0	9.7	97	79-118	
1,2-Dichloropropane	10.0	9.4	94	82-115	
Dibromomethane	10.0	9.8	98	84-116	
Bromodichloromethane	10.0	9.9	99	81-122	
cis-1,3-Dichloropropene	10.0	10.1	101	78-118	
4-methyl-2-pentanone	50.0	48.9	98	81-127	
Toluene	10.0	9.7	97	83-116	
trans-1,3-Dichloropropene	10.0	9.8	98	73-122	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260

AAB #: D0602039

Lab Name: Columbia Analytical Services/Redding

LCS ID: M1213W01LCSD

Concentration Units (ug/L or mg/kg): UG/L

Date Extracted: _____

Date Analyzed: 12/13/06

Initial Calibration ID: 12/05/06MSM

Analyte	Expected	Found	%R	Control Limits	Q
1,1,2-Trichloroethane	10.0	9.7	97	83-120	
Tetrachloroethene	10.0	10.0	100	82-118	
1,3-Dichloropropane	10.0	9.8	98	82-119	
2-Hexanone	50.0	47.7	95	81-130	
Dibromochloromethane	10.0	10.0	100	79-124	
1,2-Dibromoethane	10.0	9.9	99	82-116	
Chlorobenzene	10.0	10.0	100	86-114	
1,1,1,2-Tetrachloroethane	10.0	9.8	98	79-122	
Ethylbenzene	10.0	10.2	102	86-116	
Xylene (total)	30.0	30.3	101	85-117	
Styrene	10.0	10.2	102	84-119	
Bromoform	10.0	9.4	94	71-133	
Isopropylbenzene	10.0	10.5	105	77-117	
1,1,2,2-Tetrachloroethane	10.0	9.7	97	80-117	
Bromobenzene	10.0	9.9	99	84-120	
1,2,3-Trichloropropane	10.0	9.7	97	81-122	E4
n-Propylbenzene	10.0	10.1	101	87-117	
2-Chlorotoluene	10.0	10.0	100	87-119	
1,3,5-Trimethylbenzene	10.0	10.2	102	83-120	
4-Chlorotoluene	10.0	9.9	99	86-118	
tert-Butylbenzene	10.0	10.3	103	82-122	
1,2,4-Trimethylbenzene	10.0	10.2	102	86-121	
sec-Butylbenzene	10.0	10.6	106	84-128	
1,3-Dichlorobenzene	10.0	9.8	98	85-119	
p-Isopropyltoluene	10.0	10.1	101	84-121	
1,4-Dichlorobenzene	10.0	9.9	99	84-118	
n-Butylbenzene	10.0	9.8	98	81-123	
1,2-Dichlorobenzene	10.0	9.9	99	85-117	
1,2-Dibromo-3-chloropropane	40.0	36.7	92	67-121	
1,2,4-Trichlorobenzene	10.0	9.8	98	69-128	
Hexachlorobutadiene	10.0	10.2	102	71-135	
Naphthalene	10.0	10.2	102	60-131	
1,2,3-Trichlorobenzene	10.0	9.8	98	69-130	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260

AAB #: D0602039

Lab Name: Columbia Analytical Services/Redding

LCS ID: M1213W01LCSD Concentration Units (ug/L or mg/kg): UG/L

Date Extracted: _____ Date Analyzed: 12/13/06

Initial Calibration ID: 12/05/06MSM

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	101	82-124	
Dibromofluoromethane - SS	100	84-127	
Toluene-d8 - SS	101	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE/LABORATORY CONTROL SAMPLE DUPLICATE

Analytical Method: SW8260 AAB #: D0602039

Lab Name: Columbia Analytical Services/Redding

Concentration Units (ug/L or mg/kg): UG/L %Solids:

Parent Field Sample ID: M1213W01 BS ID: M1213W01LCS BSD ID: M1213W01LCSD

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicat Spike Sample Result	%R	%RPD	Control Limits %RPD	Control Limits %R	Q
Dichlorodifluoromethane		10.0	12.2	122	11.5	115	6	20	27-158	
Chloromethane		10.0	10.8	108	10.6	106	2	20	51-137	
Vinyl chloride		10.0	10.7	107	10.5	105	2	20	57-137	
Bromomethane		10.0	11.3	113	11.1	111	2	20	44-156	
Chloroethane		10.0	11.0	110	10.9	109	1	20	60-140	
Trichlorofluoromethane		10.0	12.5	125	11.4	114	9	20	54-146	
1,1-Dichloroethene		10.0	11.0	110	10.9	109	1	20	70-130	
Acetone		50.0	45.6	91	44.6	89	2	20	55-137	
Carbon disulfide		10.0	10.0	100	10.0	100	0	20	50-127	
Methylene chloride		10.0	9.9	99	9.8	98	1	20	73-121	
Iodomethane		10.0	9.5	95	9.4	94	1	20	50-150	E4
trans-1,2-Dichloroethene		10.0	9.6	96	9.5	95	1	20	74-124	
Tert-butylmethylether		10.0	9.9	99	9.7	97	2	20	75-119	
1,1-Dichloroethane		10.0	9.8	98	9.7	97	1	20	78-121	
Vinyl acetate		10.0	11.2	112	10.5	105	6	20	52-129	E4
2,2-Dichloropropane		10.0	10.0	100	10.0	100	0	20	61-137	
cis-1,2-Dichloroethene		10.0	10.3	103	10.0	100	3	20	80-118	
2-Butanone		50.0	48.8	98	47.0	94	4	20	76-122	
Bromochloromethane		10.0	9.8	98	9.8	98	0	20	82-118	
Chloroform		10.0	9.7	97	9.5	95	2	20	73-125	
1,1,1-Trichloroethane		10.0	9.6	96	9.6	96	0	20	76-124	
1,1-Dichloropropene		10.0	10.1	101	9.9	99	2	20	80-119	
Carbon tetrachloride		10.0	9.7	97	9.7	97	0	20	68-135	
Benzene		10.0	10.1	101	10.0	100	1	20	81-119	
1,2-Dichloroethane		10.0	9.6	96	9.6	96	0	20	75-122	
Trichloroethene		10.0	9.9	99	9.7	97	2	20	79-118	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE/LABORATORY CONTROL SAMPLE DUPLICATE

Analytical Method: SW8260 AAB #: D0602039

Lab Name: Columbia Analytical Services/Redding

Concentration Units (ug/L or mg/kg): UG/L %Solids:

Parent Field Sample ID: M1213W01 BS ID: M1213W01LCS BSD ID: M1213W01LCSD

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicat Spike Sample Result	%R	%RPD	Control Limits %RPD	Control Limits %R	Q
1,2-Dichloropropane		10.0	9.7	97	9.4	94	3	20	82-115	
Dibromomethane		10.0	9.9	99	9.8	98	1	20	84-116	
Bromodichloromethane		10.0	10.0	100	9.9	99	1	20	81-122	
cis-1,3-Dichloropropene		10.0	10.2	102	10.1	101	1	20	78-118	
4-methyl-2-pentanone		50.0	51.5	103	48.9	98	5	20	81-127	
Toluene		10.0	9.8	98	9.7	97	1	20	83-116	
trans-1,3-Dichloropropene		10.0	10.0	100	9.8	98	2	20	73-122	
1,1,2-Trichloroethane		10.0	10.0	100	9.7	97	3	20	83-120	
Tetrachloroethene		10.0	10.2	102	10.0	100	2	20	82-118	
1,3-Dichloropropane		10.0	10.0	100	9.8	98	2	20	82-119	
2-Hexanone		50.0	50.8	102	47.7	95	6	20	81-130	
Dibromochloromethane		10.0	10.1	101	10.0	100	1	20	79-124	
1,2-Dibromoethane		10.0	10.1	101	9.9	99	2	20	82-116	
Chlorobenzene		10.0	10.0	100	10.0	100	0	20	86-114	
1,1,1,2-Tetrachloroethane		10.0	10.0	100	9.8	98	2	20	79-122	
Ethylbenzene		10.0	10.2	102	10.2	102	0	20	86-116	
Xylene (total)		30.0	30.7	102	30.3	101	1	20	85-117	
Styrene		10.0	10.3	103	10.2	102	1	20	84-119	
Bromoform		10.0	9.5	95	9.4	94	1	20	71-133	
Isopropylbenzene		10.0	10.6	106	10.5	105	1	20	77-117	
1,1,2,2-Tetrachloroethane		10.0	9.8	98	9.7	97	1	20	80-117	
Bromobenzene		10.0	10.1	101	9.9	99	2	20	84-120	
1,2,3-Trichloropropane		10.0	10.1	101	9.7	97	4	20	81-122	E4
n-Propylbenzene		10.0	10.4	104	10.1	101	3	20	87-117	
2-Chlorotoluene		10.0	10.3	103	10.0	100	3	20	87-119	
1,3,5-Trimethylbenzene		10.0	10.3	103	10.2	102	1	20	83-120	

Comments:

Parent Field Sample ID: M1213W01 BS ID: M1213W01LCS BSD ID: M1213W01LCSD

ORGANIC ANALYSES DATA SHEET 8
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: SW8260

AAB #: D0602039

Lab Name: Columbia Analytical Services/Redding

Concentration Units (ug/L or mg/kg): UG/L

%Solids:

Parent Field Sample ID: ASE-60A-6D2

MS ID: ASE-60A-6D2MS

MSD ID: ASE-60A-6D2MSD

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicat Spike Sample Result	%R	%RPD	Control Limits %RPD	Control Limits %R	Q
Dichlorodifluoromethane		10.0	12.3	123	12.0	120	2	20	27-158	
Chloromethane		10.0	10.8	108	10.5	105	3	20	51-137	
Vinyl chloride		10.0	10.6	106	10.5	105	1	20	57-137	
Bromomethane		10.0	11.2	112	10.9	109	3	20	44-156	
Chloroethane		10.0	10.9	109	10.9	109	0	20	60-140	
Trichlorofluoromethane		10.0	11.8	118	11.1	111	6	20	54-146	
1,1-Dichloroethene	1.9	10.0	12.7	108	12.6	107	1	20	70-130	
Acetone		50.0	46.4	93	51.6	103	11	20	55-137	
Carbon disulfide		10.0	8.7	87	8.6	86	1	20	50-127	
Methylene chloride		10.0	10.0	100	10.0	100	0	20	73-121	
Iodomethane		10.0	9.6	96	9.5	95	1	20	50-150	E4
trans-1,2-Dichloroethene		10.0	9.8	98	9.6	96	2	20	74-124	
Tert-butylmethylether		10.0	10.0	100	10.0	100	0	20	75-119	
1,1-Dichloroethane	0.75	10.0	10.5	98	10.5	98	0	20	78-121	
Vinyl acetate		10.0	10.1	101	10.0	100	1	20	52-129	E4
2,2-Dichloropropane		10.0	9.6	96	9.6	96	0	20	61-137	
cis-1,2-Dichloroethene	0.32	10.0	10.6	103	10.5	102	1	20	80-118	
2-Butanone		50.0	49.4	99	52.0	104	5	20	76-122	
Bromochloromethane		10.0	9.9	99	9.7	97	2	20	82-118	
Chloroform	1.1	10.0	10.7	96	10.5	94	2	20	73-125	
1,1,1-Trichloroethane		10.0	9.6	96	9.5	95	1	20	76-124	
1,1-Dichloropropene		10.0	10.4	104	10.0	100	4	20	80-119	
Carbon tetrachloride		10.0	9.2	92	9.1	91	1	20	68-135	
Benzene		10.0	10.3	103	10.2	102	1	20	81-119	
1,2-Dichloroethane		10.0	10.0	100	9.7	97	3	20	75-122	
Trichloroethene	31.6	10.0	40.8	92	40.8	92	0	20	79-118	

Comments:

ORGANIC ANALYSES DATA SHEET 8
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: SW8260 AAB #: D0602039

Lab Name: Columbia Analytical Services/Redding

Concentration Units (ug/L or mg/kg): UG/L %Solids:

Parent Field Sample ID: ASE-60A-6D2 MS ID: ASE-60A-6D2MS MSD ID: ASE-60A-6D2MSD

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicat Spike Sample Result	%R	%RPD	Control Limits %RPD	Control Limits %R	Q
1,2-Dichloropropane		10.0	9.9	99	9.6	96	3	20	82-115	
Dibromomethane		10.0	10.1	101	10.0	100	1	20	84-116	
Bromodichloromethane		10.0	9.5	95	9.4	94	1	20	81-122	
cis-1,3-Dichloropropene		10.0	9.7	97	9.6	96	1	20	78-118	
4-methyl-2-pentanone		50.0	51.2	102	52.0	104	2	20	81-127	
Toluene	0.15	10.0	10.0	98	9.8	96	2	20	83-116	
trans-1,3-Dichloropropene		10.0	9.4	94	9.2	92	2	20	73-122	
1,1,2-Trichloroethane		10.0	10.2	102	9.8	98	4	20	83-120	
Tetrachloroethene	2.0	10.0	12.4	104	12.0	100	3	20	82-118	
1,3-Dichloropropane		10.0	10.2	102	9.8	98	4	20	82-119	
2-Hexanone		50.0	49.4	99	50.4	101	2	20	81-130	
Dibromochloromethane		10.0	8.8	88	8.7	87	1	20	79-124	
1,2-Dibromoethane		10.0	10.2	102	10.0	100	2	20	82-116	
Chlorobenzene	0.18	10.0	10.4	102	10.1	99	3	20	86-114	
1,1,1,2-Tetrachloroethane		10.0	9.4	94	9.3	93	1	20	79-122	
Ethylbenzene		10.0	10.3	103	10.2	102	1	20	86-116	
Xylene (total)		30.0	30.7	102	30.0	100	2	20	85-117	
Styrene		10.0	9.7	97	9.6	96	1	20	84-119	
Bromoform		10.0	7.8	78	7.8	78	0	20	71-133	
Isopropylbenzene		10.0	10.7	107	10.4	104	3	20	77-117	
1,1,2,2-Tetrachloroethane		10.0	10.1	101	10.0	100	1	20	80-117	
Bromobenzene		10.0	10.1	101	9.9	99	2	20	84-120	
1,2,3-Trichloropropane		10.0	9.9	99	9.9	99	0	20	81-122	E4
n-Propylbenzene	0.15	10.0	10.5	104	10.3	102	2	20	87-117	
2-Chlorotoluene		10.0	10.3	103	9.9	99	4	20	87-119	
1,3,5-Trimethylbenzene		10.0	10.4	104	9.4	94	10	20	83-120	

Comments:

ORGANIC ANALYSES DATA SHEET 10
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: SW8260

AAB #: D0602039

Lab Name: Columbia Analytical Services/Redding

Instrument ID #: MSM DB-624

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Laboratory File ID	Date Analysis Started	Time Analysis Started	Date Analysis Completed	Time Analysis Completed
VSTD00.5	M065370	12/05/06	1545	12/05/06	1605
VSTD001	M065371	12/05/06	1606	12/05/06	1626
VSTD005	M065372	12/05/06	1628	12/05/06	1648
VSTD010	M065373	12/05/06	1649	12/05/06	1709
VSTD020	M065374	12/05/06	1711	12/05/06	1731
VSTD050	M065375	12/05/06	1732	12/05/06	1752
VSTD100	M065376	12/05/06	1754	12/05/06	1814
VSTD150	M065377	12/05/06	1815	12/05/06	1835
QCALTSTD4	M065380	12/05/06	1920	12/05/06	1940
VSTD10M	M065500	12/13/06	1048	12/13/06	1108
M1213W01LCS	M065501	12/13/06	1110	12/13/06	1130
M1213W01LCSD	M065502	12/13/06	1131	12/13/06	1151
M1213W01	M065505	12/13/06	1235	12/13/06	1255
TB121106	M065506	12/13/06	1315	12/13/06	1335
PL-201A-6D2	M065507	12/13/06	1337	12/13/06	1357
ASE-58A-6D2	M065508	12/13/06	1358	12/13/06	1418
ASE-46A-6D2	M065509	12/13/06	1420	12/13/06	1440
PL-504-6D2	M065510	12/13/06	1441	12/13/06	1501
PL-2101-6D2	M065511	12/13/06	1503	12/13/06	1523
ASE-59A-6D2	M065514	12/13/06	1607	12/13/06	1627
ASE-61A-6D2	M065515	12/13/06	1628	12/13/06	1648
ASE-60A-6D2	M065516	12/13/06	1650	12/13/06	1710
ASE-60A-6D2MS	M065517	12/13/06	1711	12/13/06	1731
ASE-60A-6D2MSD	M065518	12/13/06	1733	12/13/06	1753
ASE-54A-6D2	M065521	12/13/06	1837	12/13/06	1857
PL-2102-6D2	M065522	12/13/06	1858	12/13/06	1918

Comments:

ORGANIC ANALYSES DATA SHEET APPENDIX A
SURROGATE RESULTS

Analytical Method: SW8260

AAB #: D0602039

Lab Name: Columbia Analytical Services/Redding

Matrix: Water

[illegible]

S1:	4-Bromofluorobenzene - SS	82-124
S2:	Dibromofluoromethane - SS	84-127
S3:	Toluene-d8 - SS	80-117

Comments:

December 28, 2006

Service Request No: D0602054

Shane Lowe
CH2M Hill
2625 S. Plaza Drive
Suite 300
Tempe, AZ 85282

RE: Sky Harbor/2959482

Dear Shane:

Enclosed are the results of the sample(s) submitted to our laboratory on December 13, 2006. For your reference, these analyses have been assigned our service request number D0602054.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAP standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please call if you have any questions. My extension is 105. You may also contact me via email at MFesler@redding.caslab.com.

Respectfully submitted,

Columbia Analytical Services, Inc.



Mark Fesler
Project Chemist

CC: Terri Krauss

Page 1 of 100

Current CAS Redding Accreditation Programs

Federal and National Programs

- U.S Air Force, Air Force Center for Environmental Excellence (AFCEE)
Approved laboratory for Wastewater and Hazardous Waste
- U.S. Army Corps of Engineers – MRD, HTRW Mandatory Center of Expertise
Validated for Wastewater and Hazardous Waste
- Department of the Navy, Naval Facilities Engineering Service Center (NFESC)
Approved laboratory for Wastewater and Hazardous Waste

State and Local Programs

- State of Alaska, Department of Environmental Conservation
Approved Laboratory for Contaminated Sites
Lab ID UST-001
- State of Arizona, Department of Health Services, Office of Laboratory Licensure
Approved Laboratory for Drinking Water, Wastewater, and Hazardous Waste
Lab ID AZ0604
- State of California, Department of Health Services, National Environmental Laboratory Accreditation Program (NELAP)
Approved Laboratory for Drinking Water, Wastewater and Hazardous Waste
Lab ID 01105CA
 - Los Angeles County Sanitation District
Approved Laboratory for Wastewater
Lab ID 10243
- State of California, Department of Health Services, Environmental Laboratory Accreditation Program (ELAP)
Approved Laboratory for Microbiology of Drinking Water and Wastewater
Lab ID 2635
- State of Florida, Department of Health, Bureau of Laboratories (NELAP)
Approved Environmental Testing Laboratory for Wastewater and Hazardous Waste
Lab ID E87203
- State of Kansas, Department of Health and Environment (NELAP)
Approved Laboratory for Hazardous Waste
Lab ID E-10323
- State of Massachusetts, Department of Environmental Protection
Approved laboratory for Drinking Water and Wastewater
Lab ID M-CA025
- State of Oklahoma, Department of Environmental Quality
Approved Laboratory for General Water Quality/Sludge Testing
Lab ID 9952
- State of Oregon, Environmental Laboratory Accreditation Program (ORELAP)
Approved Laboratory for Drinking Water, Wastewater, and Hazardous Waste
Lab ID CA200004
- State of Utah, Department of Health, Bureau of Laboratory Improvement (NELAP)
Approved Laboratory for Wastewater and Hazardous Waste
Lab ID QUAL1
- State of Washington, Department of Ecology
Approved Laboratory for Wastewater and Hazardous Waste
Lab ID C1234
- State of Wisconsin, Department of Natural Resources
Approved Laboratory for Wastewater and Hazardous Waste
Lab ID 999767340

Arizona Data Qualifiers

Revision 2.0, 11/26/2003

Developed by the Sub-committee of the
Arizona Environmental Laboratory Advisory Committee

Microbiology:

- A1 = Too numerous to count.
- A2 = Sample incubation period exceeded method requirement.
- A3 = Sample incubation period was shorter than method requirement.
- A4 = Target organism detected in associated method blank.
- A5 = Incubator/water bath temperature was outside method requirements.
- A6 = Target organism not detected in associated positive control.
- A7 = Micro sample received without adequate headspace.

Method/calibration blank:

- B1 = Target analyte detected in method blank at or above the method reporting limit.
- B2 = Non-target analyte detected in method blank and sample, producing interference.
- B3 = Target analyte detected in calibration blank at or above the method reporting limit.
- B4 = Target analyte detected in blank at/above method acceptance criteria.
- B5 = Target analyte detected in method blank at or above the method reporting limit, but below trigger level or MCL.
- B6 = Target analyte detected in calibration blank at or above the method reporting limit, but below trigger level or MCL.
- B7 = Target analyte detected in method blank at or above method reporting limit. Concentration found in the sample was 10 times above the concentration found in the method blank.

Confirmation:

- C1 = Confirmatory analysis not performed as required by the method.
- C3 = Qualitative confirmation performed.
- C4 = Confirmatory analysis was past holding time.
- C5 = Confirmatory analysis was past holding time. Original result not confirmed.
- C6 = Sample RPD between the primary and confirmatory analysis exceeded 40%. Per EPA Method 8000B, the higher value was reported as there was no obvious chromatographic interference.
- C7 = Sample RPD between the primary and confirmatory analysis exceeded 40%. Per EPA Method 8000B, the lower value was reported due to apparent chromatographic interference.

Dilution:

- D1 = Sample required dilution due to matrix.
- D2 = Sample required dilution due to high concentration of target analyte.
- D3 = Sample dilution required due to insufficient sample.
- D4 = Minimum reporting level (MRL) adjusted to reflect sample amount received and analyzed.

Estimated concentration:

- E1 = Concentration estimated. Analyte exceeded calibration range. Reanalysis not possible due to insufficient sample.
- E2 = Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to sample matrix.
- E3 = Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to holding time requirements.

Arizona Data Qualifiers

Revision 2.0, 11/26/2003

- E4 = Concentration estimated. Analyte was detected below laboratory minimum reporting level (MRL).
- E5 = Concentration estimated. Analyte was detected below laboratory minimum reporting level (MRL), but not confirmed by alternate analysis.
- E6 = Concentration estimated. Internal standard recoveries did not meet method acceptance criteria.
- E7 = Concentration estimated. Internal standard recoveries did not meet laboratory acceptance criteria.
- E8 = Analyte reported to MDL per project specification. Target analyte was not detected in the sample.

Hold time:

- H1 = Sample analysis performed past holding time.
- H2 = Initial analysis within holding time. Reanalysis for the required dilution was past holding time.
- H3 = Sample was received and analyzed past holding time.
- H4 = Sample was extracted past required extraction holding time, but analyzed within analysis holding time.

BOD:

- K1 = The sample dilutions set-up for the BOD analysis did not meet the oxygen depletion criteria of at least 2 mg/L. Any reported result is an estimated value.
- K2 = The sample dilutions set up for the BOD analysis did not meet the criteria of a residual dissolved oxygen of at least 1 mg/L. Any reported result is an estimated value.
- K4 = The seed depletion was outside the method acceptance limits. The reported result is an estimated value.
- K5 = The dilution water D.O. depletion was > 0.2 mg/L.
- K6 = Glucose/glutamic acid BOD was below method acceptance criteria.
- K7 = A discrepancy between the BOD and COD results has been verified by reanalysis of the sample for COD.
- K8 = Glucose/glutamic acid BOD was above method acceptance levels.

Laboratory fortified blank/blank spike:

- L1 = The associated blank spike recovery was above laboratory acceptance limits.
- L2 = The associated blank spike recovery was below laboratory acceptance limits.
- L3 = The associated blank spike recovery was above method acceptance limits.
- L4 = The associated blank spike recovery was below method acceptance limits.

Matrix spike:

- M1 = Matrix spike recovery was high, the method control sample recovery was acceptable.
- M2 = Matrix spike recovery was low, the method control sample recovery was acceptable.
- M3 = The accuracy of the spike recovery value is reduced since the analyte concentration in the sample is disproportionate to spike level. The method control sample recovery was acceptable.
- M4 = The analysis of the spiked sample required a dilution such that the spike concentration was diluted below the reporting limit. The method control sample recovery was acceptable.
- M5 = Analyte concentration was determined by the method of standard addition (MSA).

Arizona Data Qualifiers

Revision 2.0, 11/26/2003

M6 = Matrix spike recovery was high. Data reported per ADEQ policy 0154.000.

M7 = Matrix spike recovery was low. Data reported per ADEQ policy 0154.000.

General:

N1 = See case narrative.

N2 = See corrective action report.

N3 = The analysis meets all method requirements. See case narrative.

Sample quality:

Q1 = Sample integrity was not maintained. See case narrative.

Q2 = Sample received with headspace.

Q3 = Sample received with improper chemical preservation.

Q4 = Sample received and analyzed without chemical preservation.

Q5 = Sample received with inadequate chemical preservation, but preserved by the laboratory.

Q6 = Sample was received above recommended temperature.

Q7 = Sample inadequately dechlorinated.

Q8 = Insufficient sample received to meet method QC requirements. Batch QC requirements satisfies ADEQ policies 0154 and 0155.

Q9 = Insufficient sample received to meet method QC requirements.

Q10 = Sample received in inappropriate sample container.

Q11 = Sample is heterogeneous. Sample homogeneity could not be readily achieved using routine laboratory practices.

Duplicates:

R1 = RPD exceeded the method control limit. See case narrative.

R2 = RPD exceeded the laboratory control limit. See case narrative.

R4 = MS/MSD RPD exceeded the method control limit. Recovery met acceptance criteria.

R5 = MS/MSD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.

R6 = LFB/LFBD RPD exceeded the method control limit. Recovery met acceptance criteria.

R7 = LFB/LFBD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.

R8 = Sample RPD exceeded the method control limit.

R9 = Sample RPD exceeded the laboratory control limit.

R10 = Sample RPD between the primary and confirmatory analysis exceeded 40%. Per EPA Method 8000B, the lower value was reported due to apparent chromatographic problems.

R11 = The RPD calculation for MS/MSD does not provide useful information due to the varying sample weights when Encore samplers/methanol field preserved samples are used.

Surrogate:

S1 = Surrogate recovery was above laboratory acceptance limits, but within method acceptance limits.

S3 = Surrogate recovery was above laboratory acceptance limits, but within method acceptance limits. No target analytes were detected in the sample.

S4 = Surrogate recovery was above laboratory and method acceptance limits. No target analytes were detected in the sample.

S5 = Surrogate recovery was below laboratory acceptance limits, but within method acceptance limits.

S6 = Surrogate recovery was below laboratory and method acceptance limits. Reextraction and/or reanalysis confirms low recovery caused by matrix effect.

Arizona Data Qualifiers
Revision 2.0, 11/26/2003

- S7 = Surrogate recovery was below laboratory and method acceptance limits. Unable to confirm matrix effect.
- S8 = The analysis of the sample required a dilution such that the surrogate recovery calculation does not provide any useful information. The method control sample recovery was acceptable.
- S10 = Surrogate recovery was above laboratory and method acceptance limits. See Case narrative.
- S11 = Surrogate recovery was high. Data reported per ADEQ policy 0154.000.
- S12 = Surrogate recovery was low. Data reported per ADEQ policy 0154.000.

Method/analyte discrepancies:

- T1 = Method approved by EPA, but not yet licensed by ADHS.
- T2 = Cited ADHS licensed method does not contain this analyte as part of method compound list.
- T3 = Method not promulgated either by EPA or ADHS.
- T4 = Tentatively identified compound. Concentration is estimated and based on the closest internal standard.

Calibration verification:

- V1 = CCV recovery was above method acceptance limits. This target analyte was not detected in the sample.
- V2 = CCV recovery was above method acceptance limits. This target analyte was detected in the sample. The sample could not be reanalyzed due to insufficient sample.
- V3 = CCV recovery was above method acceptance limits. This target analyte was detected in the sample, but the sample was not reanalyzed. See case narrative.
- V4 = CCV recovery was below method acceptance limits. The sample could not be reanalyzed due to insufficient sample.
- V5 = CCV recovery after a group of samples was above acceptance limits. This target analyte was not detected in the sample. Acceptable per EPA Method 8000B.
- V6 = Data reported from one-point calibration criteria per ADEQ policy 0155.000.
- V7 = Calibration verification recovery was above the method control limit for this analyte, however the average % difference or % drift for all the analytes met method criteria.
- V8 = Calibration verification recovery was below the method control limit for this analyte, however the average % difference or % drift for all the analytes met method criteria.

Calibration:

- W1 = The % RSD for this compound was above 20%. The average % RSD for all compounds in the calibration met the 20% criteria as specified in EPA method 8000B.
- W2 = The % RSD for this compound was above 15%. The average % RSD for all compounds in the calibration met the 15% criteria as specified in EPA method 8260B/8270C.

Client:
Project: Sky Harbor/2959482

Service Request: D0602054

SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
D0602054-001	TB-121206	12/12/06	06:05
D0602054-002	ASE-64A-6D2	12/12/06	07:13
D0602054-003	PL-506-6D2	12/12/06	07:23
D0602054-004	ASE-63A-6D2	12/12/06	06:33
D0602054-005	ASE-39A-6D2	12/12/06	08:17
D0602054-006	ASE-38A-6D2	12/12/06	09:48
D0602054-007	PL-101A-6D2	12/12/06	09:02
D0602054-008	PL-508-6D2	12/12/06	09:58
D0602054-009	ASE-57A-6D2	12/12/06	10:37
D0602054-010	ASE-56A-6D2	12/12/06	11:17
D0602054-011	ASE-37A-6D2	12/12/06	12:50

CASE NARRATIVE

COLUMBIA ANALYTICAL SERVICES, INC.

Client: Honeywell International, Incorporated
Project: Sky Harbor
Sample Matrix: Aqueous

Service Request No.: D0602054
Date Received: 12/13/06

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier II data deliverables.

Sample Receipt

11 Aqueous samples were received for analysis at Columbia Analytical Services on 12/13/06.

The following discrepancies were noted upon initial sample inspection and documented on the cooler receipt/preservation form included in this data package:

- Two sample containers were received broken for Methods SW8015M and SW8260. However, sufficient sample volume was available to perform analyses for all samples.

The samples were received in good condition and otherwise consistent with the accompanying chain of custody form. The samples were stored in a refrigerator at 4 degrees Celsius upon receipt at the laboratory.

TPH-Diesel/Motor Oil by EPA Method 8015B

Other:


Batch QC was run along with these samples. These results have been provided for informational purposes only. The Method Blank and Laboratory Control Samples were within control criteria. No anomalies were encountered during this analysis.

Volatile Organic Compounds by EPA Method 8260B

Elevated Method Reporting Limits:

Samples ASE-63A-6D2, ASE-39A-6D2, ASE-38A-6D2, PL-101A-6D2, PL-101A-6D2, ASE-57A-6D2, and ASE-56A-6D2 required dilution due to the presence of elevated levels of target analytes. The reporting limits are adjusted to reflect the dilution.

Approved by: _____



Date: _____

12/28/06

CHAIN OF CUSTODY DOCUMENTATION

Transwest Geochem

3725 E Atlanta Ave
Phoenix, AZ 85040
Phone 602-437-0330

Client Contact: (name, co., address)

Jennifer Holland

CH2M HILL

2625 South Plaza Dr STE 300

Tempe, AZ 85282

480-377-6287

Chain Of Custody / Analysis Request

R. Randall

Sampler: M. Wiese

Project Number: 2959460

Analysis Turnaround Time:

24 Hour - ☐

7 Day - ☐

14 Day - ☐

21 Day - ☐

28 Day - ☐

Sample Identification		Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Preservation Used	Use for MS / MSD	Filtered Sample	Unfiltered Sample	SW8015M	SW8260	Lab Sample Numbers									
Location ID	Field Sample ID																					
1 Trip Blank	TB-121206	Dec 12 2006	0605	BLK WATER	WATER	3	X	X	X	X	X	X										
2 ASE-65A	ASE-65A-6D2	Dec 12 2006		GW	WATER	5	X	X	X	X	X	X										
3 ASE-62A	ASE-62A-6D2	Dec 12 2006		GW	WATER	5	X	X	X	X	X	X										
4 ASE-55A	ASE-55A-6D2	Dec 12 2006		GW	WATER	5	X	X	X	X	X	X										
5 ASE-108A	ASE-108A-6D2	Dec 12 2006		GW	WATER	5	X	X	X	X	X	X										
6 FIELDQC	PL-505-6D2	Dec 12 2006		GW	WATER	5	X	X	X	X	X	X										
7 ASE-105A	ASE-105A-6D2	Dec 12 2006		GW	WATER	5	X	X	X	X	X	X										
8 ASE-82A	ASE-82A-6D2	Dec 12 2006		GW	WATER	5	X	X	X	X	X	X										
9 ASE-91A	ASE-91A-6D2	Dec 12 2006		GW	WATER	5	X	X	X	X	X	X										
10 ASE-41A	ASE-41A-6D2	Dec 12 2006		GW	WATER	5	X	X	X	X	X	X										
11 ASE-64A	ASE-64A-6D2	Dec 12 2006	0713	GW	WATER	5	X	X	X	X	X	X										
12 FIELDQC	PL-506-6D2	Dec 12 2006	0723	GW	WATER	5	X	X	X	X	X	X										
13 ASE-63A	ASE-63A-6D2	Dec 12 2006	0633	GW	WATER	5	X	X	X	X	X	X										
14 ASE-39A	ASE-39A-6D2	Dec 12 2006	0817	GW	WTR	5	X	X	X	X	X	X										
15 ASE-38A	ASE-38A-6D2	Dec 12 2006	0948	GW	WTR	5	X	X	X	X	X	X										
16 PL101A	PL101A-6D2	Dec 12 2006	0902	GW	WTR	5	X	X	X	X	X	X										
17 FIELDQC	PL-508-6D2	Dec 12 2006	0958	GW	WTR	5	X	X	X	X	X	X										
18 ASE-57A	ASE-57A-6D2	Dec 12 2006	1037	GW	WTR	5	X	X	X	X	X	X										
19 ASE-56A	ASE-56A-6D2	Dec 12 2006	1117	GW	WTR	5	X	X	X	X	X	X										
20 ASE-37A	ASE-37A-6D2	Dec 12 2006	1250	GW	WTR	5	X	X	X	X	X	X										
21																						
22																						
23																						

Special Instructions: Standard TAT 10 days.

Relinquished by: <i>R. RANDALL</i>	Company: <i>Hargis & Assoc.</i>	Date/Time: <i>12/12/06 1332</i>	Received by: <i>WPS</i>	Company: <i>Transwest Geochem</i>
Relinquished by: <i>WPS</i>	Company: <i>Transwest Geochem</i>	Date/Time: <i>12/12/06 1700</i>	Received by: <i>WPS</i>	Company: <i>Transwest Geochem</i>
Relinquished by: <i>WPS</i>	Company: <i>Transwest Geochem</i>	Date/Time: <i>12/12/06 1700</i>	Received by: <i>WPS</i>	Company: <i>Transwest Geochem</i>

11 *cept 400 710-5973*



5090 Caterpillar Road
Redding, CA 96003
Phone: (530) 244-5262
Fax #: (530) 244-5263

COOLER RECEIPT FORM

Project/Client: Honeywell Batch No.: [REDACTED]

1. Cooler(s)/Sample(s) received on: 12/13/06 Shipped via: UPS
Shipping Bill # (s): _____ # of Coolers/Packages 5

2. Radiological Screening by: J JOHNSON Acceptable Rejected

3. Custody seals on outside of cooler: YES NO N/A
If yes, where? Front _____ Rear _____ Lt Side _____ Rt Side _____
Seals intact: YES NO

COOLER/SAMPLE PROCESSING

4. Sample Processing/Tagging by: _____

5. Cooler(s)/Sample(s) Temp's: 1°C 1°C 1°C 1°C 1°C
(or)
Temp. Blank (if included): _____

6. Type of packing material (circle): Ice Blue Ice Bubble Wrap Bubble Bags Zip Locks Webbing
Other: _____

7. Custody papers properly filled out (ink, signed, dated, released, etc.)? YES NO

8. Containers arrived in good condition (not broken, leaking, etc.)? YES NO

9. Samples received with adequate holding time remaining to conduct analysis? YES NO

10. Container labels complete (i.e. analysis, preservation, date/time, etc.)? YES NO

11. Container labels and tags agree with custody papers? YES NO

12. Correct types of containers used for the tests indicated? YES NO

a.) Adequate sample received? If not, note on Exception Report. YES NO

13. Containers supplied by: CAS Other TR

14. Preserved containers received with the appropriate preservative? YES NO N/A
pH: VOAS @ 52 per DOCS (or) See pH log.

15. VOA vials free of air bubbles? YES NO N/A

16. Trip Blank preparation date: 12/1/06 CAS Other N/A

17. Volatile Soil samples: Encores or Plugs in Vials
Freezer or GC/MS Date: _____ Time: N/A

See Exception Report for discrepancies.



5090 Caterpillar Road
Redding, CA 96003
530-244-5227
FAX 530-244-4109

BATCH:

CLIENT:

PROJECT:

SAMPLE RECEIPT EXCEPTION REPORT

Issue Type Legend	1) Holding Time	SMO Technician / Date: <i>Sammy Reid 12/13/06</i>
	2) Temperature	Project Chemist / Date:
	3) COC/Label	Client Contact(s):
	4) Container	
	5) Other	

Item #	Issue Type	DESCRIPTION
1	4	<p><i>These containers broken in the cooler</i></p> <p><i>Reported to Mark Tester</i></p> <div> <p>Transwest Geochem 3725 E Atlanta Ave Phoenix AZ 85040 602-437-0330</p> <p>Client: <i>Honeywell</i> Date & Time: Dec 12 2006</p> <p>ID: PL-506-6D2 <i>6723</i></p> <p>TS: SW8015M</p> <p>Preservative: None</p> <p>1-Liter Amber Sampler: M. Wiese</p> </div> <div> <p>Transwest Geochem 3725 E Atlanta Ave Phoenix AZ 85040 602-437-0330 <i>12</i></p> <p>Client: <i>Honeywell</i> Date & Time: Dec 14 2006</p> <p>Field Sample ID: ASE-37A-6D2 <i>1250</i></p> <p>Test Parameters: SW8260</p> <p>Container No. 5 Preservative: HCl</p> <p>Container Type: 40ml VOA Sampler: M. W</p> </div>

Corrective Actions Taken

1	<p><i>(4) As indicated above, two broken containers containers were received. One for 8015M (1 Liter) and one for B260 VOA (40ml VOA vial). Additional sample containers are available to proceed with analyses. [For information purposes only.] mbe 12/14/06</i></p>
---	---

TPH – Diesel and Motor Oil

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482

Service Request: D0602054

Cover Page - Organic Analysis Data Package
TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name	Lab Code	Date Collected	Date Received
ASE-64A-6D2	D0602054-002	12/12/2006	12/13/2006
PL-506-6D2	D0602054-003	12/12/2006	12/13/2006
ASE-63A-6D2	D0602054-004	12/12/2006	12/13/2006
ASE-39A-6D2	D0602054-005	12/12/2006	12/13/2006
ASE-38A-6D2	D0602054-006	12/12/2006	12/13/2006
PL-101A-6D2	D0602054-007	12/12/2006	12/13/2006
PL-508-6D2	D0602054-008	12/12/2006	12/13/2006
ASE-57A-6D2	D0602054-009	12/12/2006	12/13/2006
ASE-56A-6D2	D0602054-010	12/12/2006	12/13/2006
ASE-37A-6D2	D0602054-011	12/12/2006	12/13/2006

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Wida Ang

Name: WIDA ANG

Date: 12/21/06

Title: Organic Manager

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602054
Date Collected: 12/12/2006
Date Received: 12/13/2006

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: ASE-64A-6D2
Lab Code: D0602054-002
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	PQL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
C10 - C22 DRO (TPH-Diesel)	350	J	480	20	1	12/18/06	12/20/06	E4
C22 - C32 HRO (TPH-Motor Oil)	43	J	480	30	1	12/18/06	12/20/06	E4

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Octacosane	79	26-152	12/20/06	
Tricontane	78	40-140	12/20/06	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602054
Date Collected: 12/12/2006
Date Received: 12/13/2006

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: PL-506-6D2
Lab Code: D0602054-003
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	PQL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
C10 - C22 DRO (TPH-Diesel)	460	J	480	20	1	12/18/06	12/20/06	E4
C22 - C32 HRO (TPH-Motor Oil)	ND	U	480	30	1	12/18/06	12/20/06	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Octacosane	86	26-152	12/20/06	
Tricontane	85	40-140	12/20/06	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602054
Date Collected: 12/12/2006
Date Received: 12/13/2006

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: ASE-63A-6D2
Lab Code: D0602054-004
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	PQL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
C10 - C22 DRO (TPH-Diesel)	300	J	480	20	1	12/18/06	12/20/06	E4
C22 - C32 HRO (TPH-Motor Oil)	ND	U	480	30	1	12/18/06	12/20/06	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Octacosane	74	26-152	12/20/06	
Tricontane	73	40-140	12/20/06	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602054
Date Collected: 12/12/2006
Date Received: 12/13/2006

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: ASE-39A-6D2
Lab Code: D0602054-005
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	PQL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
C10 - C22 DRO (TPH-Diesel)	220	J	480	20	1	12/18/06	12/20/06	E4
C22 - C32 HRO (TPH-Motor Oil)	ND	U	480	30	1	12/18/06	12/20/06	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Octacosane	83	26-152	12/20/06	
Tricontane	82	40-140	12/20/06	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602054
Date Collected: 12/12/2006
Date Received: 12/13/2006

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: ASE-38A-6D2
Lab Code: D0602054-006
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	PQL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
C10 - C22 DRO (TPH-Diesel)	260	J	480	20	1	12/18/06	12/20/06	E4
C22 - C32 HRO (TPH-Motor Oil)	ND	U	480	30	1	12/18/06	12/20/06	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Octacosane	88	26-152	12/20/06	
Tricontane	87	40-140	12/20/06	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602054
Date Collected: 12/12/2006
Date Received: 12/13/2006

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: PL-101A-6D2
Lab Code: D0602054-007

Units: ug/L

Basis: NA

Extraction Method: EPA 3510C

Level: Low

Analysis Method: 8015B

Analyte Name	Result	Q	PQL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
C10 - C22 DRO (TPH-Diesel)	500		480	20	1	12/18/06	12/21/06	
C22 - C32 HRO (TPH-Motor Oil)	ND	U	480	30	1	12/18/06	12/21/06	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Octacosane	83	26-152	12/21/06	
Tricontane	81	40-140	12/21/06	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602054
Date Collected: 12/12/2006
Date Received: 12/13/2006

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: PL-508-6D2
Lab Code: D0602054-008
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	PQL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
C10 - C22 DRO (TPH-Diesel)	220	J	480	20	1	12/18/06	12/21/06	E4
C22 - C32 HRO (TPH-Motor Oil)	ND	U	480	30	1	12/18/06	12/21/06	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Octacosane	87	26-152	12/21/06	
Tricontane	86	40-140	12/21/06	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602054
Date Collected: 12/12/2006
Date Received: 12/13/2006

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: ASE-57A-6D2
Lab Code: D0602054-009
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	PQL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
C10 - C22 DRO (TPH-Diesel)	3700		480	20	1	12/18/06	12/21/06	
C22 - C32 HRO (TPH-Motor Oil)	66	J	480	30	1	12/18/06	12/21/06	E4

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Octacosane	87	26-152	12/21/06	
Tricontane	86	40-140	12/21/06	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602054
Date Collected: 12/12/2006
Date Received: 12/13/2006

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: ASE-56A-6D2
Lab Code: D0602054-010
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	PQL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
C10 - C22 DRO (TPH-Diesel)	1600		480	20	1	12/18/06	12/21/06	
C22 - C32 HRO (TPH-Motor Oil)	34	J	480	30	1	12/18/06	12/21/06	E4

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Octacosane	81	26-152	12/21/06	
Tricontane	81	40-140	12/21/06	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602054
Date Collected: 12/12/2006
Date Received: 12/13/2006

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: ASE-37A-6D2
Lab Code: D0602054-011
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	PQL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
C10 - C22 DRO (TPH-Diesel)	180	J	480	20	1	12/18/06	12/21/06	E4
C22 - C32 HRO (TPH-Motor Oil)	ND	U	480	30	1	12/18/06	12/21/06	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Octacosane	83	26-152	12/21/06	
Tricontane	82	40-140	12/21/06	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602054
Date Collected: NA
Date Received: NA

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: Method Blank
Lab Code: DWG0601071-4
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	PQL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
C10 - C22 DRO (TPH-Diesel)	ND	U	500	20	1	12/18/06	12/20/06	
C22 - C32 HRO (TPH-Motor Oil)	ND	U	500	30	1	12/18/06	12/20/06	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Octacosane	76	26-152	12/20/06	
Tricontane	74	40-140	12/20/06	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602054

Surrogate Recovery Summary
TPH-Diesel / Motor Oil Range Organics by SW8015B

Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: PERCENT
Level: Low

<u>Sample Name</u>	<u>Lab Code</u>	<u>Sur1</u>	<u>Sur2</u>
ASE-64A-6D2	D0602054-002	79	78
PL-506-6D2	D0602054-003	86	85
ASE-63A-6D2	D0602054-004	74	73
ASE-39A-6D2	D0602054-005	83	82
ASE-38A-6D2	D0602054-006	88	87
PL-101A-6D2	D0602054-007	83	81
PL-508-6D2	D0602054-008	87	86
ASE-57A-6D2	D0602054-009	87	86
ASE-56A-6D2	D0602054-010	81	81
ASE-37A-6D2	D0602054-011	83	82
Method Blank	DWG0601071-4	76	74
Batch QC	D0602066-004	79	78
Batch QCMS	DWG0601071-1	72	70
Batch QCDMS	DWG0601071-2	82	80
Lab Control Sample	DWG0601071-3	89	86

Surrogate Recovery Control Limits (%)

Sur1 = Octacosane	26-152
Sur2 = Tricontane	40-140

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602054
Date Extracted: 12/18/2006
Date Analyzed: 12/20/2006

Matrix Spike/Duplicate Matrix Spike Summary
TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: Batch QC
Lab Code: D0602066-004
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: DWG0601071

Analyte Name	Sample Result	Batch QCMS DWG0601071-1 Matrix Spike			Batch QCDMS DWG0601071-2 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
C10 - C22 DRO (TPH-Diesel)	720	1790	2380	45 M2	2170	2380	61	61-143	19	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602054
Date Extracted: 12/18/2006
Date Analyzed: 12/20/2006

Lab Control Spike Summary
TPH-Diesel / Motor Oil Range Organics by SW8015B

Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: DWG0601071

Analyte Name	Lab Control Sample DWG0601071-3 Lab Control Spike			%Rec Limits
	Result	Expected	%Rec	
C10 - C22 DRO (TPH-Diesel)	1550	2500	62	61-143
C22 - C32 HRO (TPH-Motor Oil)	1760	2500	70	60-120

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

GC/MS VOLATILE ORGANICS

ORGANIC ANALYSES DATA PACKAGE

Analytical Method: SW8260

AAB #: D0602054

Lab Name: Columbia Analytical Services/Redding

Base/Command: ARIZONA DELIVERABLES

Project: Sky Harbor

Field Sample ID

Lab Sample ID

TB-121206
ASE-64A-6D2
PL-506-6D2
ASE-63A-6D2
ASE-39A-6D2
ASE-38A-6D2
PL-101A-6D2
PL-508-6D2
ASE-57A-6D2
ASE-56A-6D2
ASE-37A-6D2

D0602054-001
D0602054-002
D0602054-003
D0602054-004
D0602054-005
D0602054-006
D0602054-007
D0602054-008
D0602054-009
D0602054-010
D0602054-011

Comments:

I certify this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Bm

Name: Brian Moore

Date: 12/27/06

Title: Technical Manager

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602054

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: TB-121206

Lab Sample ID: D0602054-001 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/13/06

Date Extracted:

Date Analyzed: 12/14/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	ND	1		
Vinyl chloride	0.22	1.0	ND	1		
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	ND	1		
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	ND	1		
Acetone	1.0	20	1.8	1		E4
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	ND	1		
1,1-Dichloroethane	0.12	2.0	ND	1		
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	ND	1		
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	ND	1		
1,1,1-Trichloroethane	0.14	2.0	ND	1		
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	ND	1		
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	ND	1		
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	ND	1		
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	ND	1		
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602054

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: TB-121206

Lab Sample ID: D0602054-001

Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/13/06

Date Extracted:

Date Analyzed: 12/14/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	ND	1		
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	ND	1		
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	ND	1		
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	ND	1		
Xylene (total)	0.14	10	ND	1		
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	ND	1		
Isopropylbenzene	0.17	2.0	ND	1		
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	ND	1		
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	ND	1		
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	ND	1		
1,2,4-Trimethylbenzene	0.13	2.0	ND	1		
sec-Butylbenzene	0.17	5.0	ND	1		
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	ND	1		
1,4-Dichlorobenzene	0.11	1.0	ND	1		
n-Butylbenzene	0.33	5.0	ND	1		
1,2-Dichlorobenzene	0.14	1.0	ND	1		
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		
Naphthalene	0.29	2.0	ND	1		
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

AAB #: D0602054

Lab Name: Columbia Analytical Services/Redding

Lab Sample ID: D0602054-001 Matrix: Water

Initial Calibration ID: 12/05/06MSM

Date Received: 12/13/06 Date Extracted: Date Analyzed: 12/14/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	102	82-124	
Dibromofluoromethane - SS	100	84-127	
Toluene-d8 - SS	100	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602054

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-64A-6D2

Lab Sample ID: D0602054-002 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/13/06

Date Extracted:

Date Analyzed: 12/14/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	ND	1		
Vinyl chloride	0.22	1.0	ND	1		
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	ND	1		
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	ND	1		
Acetone	1.0	20	ND	1		
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	2.1	1		
1,1-Dichloroethane	0.12	2.0	0.83	1		E4
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	0.28	1		E4
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	ND	1		
1,1,1-Trichloroethane	0.14	2.0	ND	1		
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	85	1		
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	ND	1		
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	ND	1		
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	0.29	1		E4
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602054

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-64A-6D2

Lab Sample ID: D0602054-002 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/13/06

Date Extracted:

Date Analyzed: 12/14/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	ND	1		
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	ND	1		
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	ND	1		
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	110	1		
Xylene (total)	0.14	10	220	1		
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	ND	1		
Isopropylbenzene	0.17	2.0	55	1		
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	31	1		
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	14	1		
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	1.0	1		E4
1,2,4-Trimethylbenzene	0.13	2.0	60	1		
sec-Butylbenzene	0.17	5.0	5.2	1		
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	1.9	1		E4
1,4-Dichlorobenzene	0.11	1.0	ND	1		
n-Butylbenzene	0.33	5.0	ND	1		
1,2-Dichlorobenzene	0.14	1.0	ND	1		
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		
Naphthalene	0.29	2.0	64	1		
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A

Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602054

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-64A-6D2

Lab Sample ID: D0602054-002 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/13/06

Date Extracted:

Date Analyzed: 12/14/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	102	82-124	
Dibromofluoromethane - SS	100	84-127	
Toluene-d8 - SS	97	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

Surrogate Recoveries are reported in Appendix O-A

Internal Standards are reported in Appendix O-C

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602054

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: PL-506-6D2

Lab Sample ID: D0602054-003 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/13/06

Date Extracted:

Date Analyzed: 12/14/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	ND	1		
Vinyl chloride	0.22	1.0	ND	1		
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	ND	1		
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	ND	1		
Acetone	1.0	20	1.1	1		E4
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	2.1	1		
1,1-Dichloroethane	0.12	2.0	0.83	1		E4
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	0.27	1		E4
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	ND	1		
1,1,1-Trichloroethane	0.14	2.0	ND	1		
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	86	1		
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	ND	1		
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	ND	1		
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	0.30	1		E4
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602054

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: PL-506-6D2

Lab Sample ID: D0602054-003 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/13/06

Date Extracted:

Date Analyzed: 12/14/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	0.23	1		E4
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	ND	1		
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	ND	1		
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	120	1		
Xylene (total)	0.14	10	240	1		
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	ND	1		
Isopropylbenzene	0.17	2.0	57	1		
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	32	1		
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	15	1		
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	0.87	1		E4
1,2,4-Trimethylbenzene	0.13	2.0	61	1		
sec-Butylbenzene	0.17	5.0	5.5	1		
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	2.0	1		
1,4-Dichlorobenzene	0.11	1.0	ND	1		
n-Butylbenzene	0.33	5.0	ND	1		
1,2-Dichlorobenzene	0.14	1.0	ND	1		
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		
Naphthalene	0.29	2.0	71	1		
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A

Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602054

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: PL-506-6D2

Lab Sample ID: D0602054-003 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/13/06

Date Extracted:

Date Analyzed: 12/14/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	101	82-124	
Dibromofluoromethane - SS	98	84-127	
Toluene-d8 - SS	98	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602054

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-63A-6D2

Lab Sample ID: D0602054-004

Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/13/06

Date Extracted: _____

Date Analyzed: 12/14/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	ND	1		
Vinyl chloride	0.22	1.0	ND	1		
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	ND	1		
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	0.24	1		E4
Acetone	1.0	20	ND	1		
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	270	1		
1,1-Dichloroethane	0.12	2.0	0.47	1		E4
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	7.5	1		
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	ND	1		
1,1,1-Trichloroethane	0.14	2.0	ND	1		
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	470	1		
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	3.7	1		
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	ND	1		
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	0.36	1		E4
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A

Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602054

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-63A-6D2

Lab Sample ID: D0602054-004 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/13/06

Date Extracted:

Date Analyzed: 12/14/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	0.36	1		E4
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	ND	1		
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	ND	1		
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	180	1		
Xylene (total)	0.14	10	4.1	1		E4
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	ND	1		
Isopropylbenzene	0.17	2.0	58	1		
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	47	1		
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	0.16	1		E4
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	0.75	1		E4
1,2,4-Trimethylbenzene	0.13	2.0	0.78	1		E4
sec-Butylbenzene	0.17	5.0	5.1	1		
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	0.14	1		E4
1,4-Dichlorobenzene	0.11	1.0	0.12	1		E4
n-Butylbenzene	0.33	5.0	ND	1		
1,2-Dichlorobenzene	0.14	1.0	ND	1		
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		
Naphthalene	0.29	2.0	99	1		
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2

RESULTS

Analytical Method: SW8260

AAB #: D0602054

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-63A-6D2

Lab Sample ID: D0602054-004 Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/13/06

Date Extracted:

Date Analyzed: 12/14/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	102	82-124	
Dibromofluoromethane - SS	97	84-127	
Toluene-d8 - SS	98	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602054

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-63A-6D2DL

Lab Sample ID: D0602054-004DL Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/13/06

Date Extracted:

Date Analyzed: 12/14/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	14	200	ND	40		D2
Chloromethane	9.2	200	ND	40		D2
Vinyl chloride	8.8	40	ND	40		D2
Bromomethane	11	40	ND	40		D2
Chloroethane	8.0	200	ND	40		D2
Trichlorofluoromethane	5.6	200	ND	40		D2
1,1-Dichloroethene	7.6	80	ND	40		D2
Acetone	40	800	ND	40		D2
Carbon disulfide	4.4	200	ND	40		D2
Methylene chloride	6.0	200	ND	40		D2
Iodomethane	8.0	400	ND	40		D2
trans-1,2-Dichloroethene	6.4	80	ND	40		D2
Tert-butylmethylether	6.8	40	400	40		D2
1,1-Dichloroethane	4.8	80	ND	40		D2
Vinyl acetate	34	1000	ND	40		D2
2,2-Dichloropropane	13	80	ND	40		D2
cis-1,2-Dichloroethene	6.8	80	8.1	40		D2E4
2-Butanone	36	400	ND	40		D2
Bromochloromethane	10	200	ND	40		D2
Chloroform	5.6	80	8.6	40		D2E4
1,1,1-Trichloroethane	5.6	80	ND	40		D2
1,1-Dichloropropene	7.2	80	ND	40		D2
Carbon tetrachloride	7.2	80	ND	40		D2
Benzene	4.8	40	3700	40		D2
1,2-Dichloroethane	7.2	40	ND	40		D2
Trichloroethene	4.0	40	ND	40		D2
1,2-Dichloropropane	6.8	80	ND	40		D2
Dibromomethane	7.2	80	ND	40		D2
Bromodichloromethane	6.8	40	ND	40		D2
cis-1,3-Dichloropropene	5.2	80	ND	40		D2
4-methyl-2-pentanone	34	400	ND	40		D2
Toluene	5.6	80	ND	40		D2
trans-1,3-Dichloropropene	7.6	80	ND	40		D2

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602054

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-63A-6D2DL

Lab Sample ID: D0602054-004DL

Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/13/06

Date Extracted:

Date Analyzed: 12/14/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	8.8	40	ND	40		D2
Tetrachloroethene	8.8	40	ND	40		D2
1,3-Dichloropropane	4.4	80	ND	40		D2
2-Hexanone	23	400	ND	40		D2
Dibromochloromethane	6.0	80	ND	40		D2
1,2-Dibromoethane	6.0	80	ND	40		D2
Chlorobenzene	6.0	40	ND	40		D2
1,1,1,2-Tetrachloroethane	9.2	200	ND	40		D2
Ethylbenzene	6.0	80	670	40		D2
Xylene (total)	5.6	400	ND	40		D2
Styrene	6.4	80	ND	40		D2
Bromoform	7.2	200	ND	40		D2
Isopropylbenzene	6.8	80	62	40		D2E4
1,1,2,2-Tetrachloroethane	6.8	40	ND	40		D2
Bromobenzene	6.8	200	ND	40		D2
1,2,3-Trichloropropane	8.0	400	ND	40		D2
n-Propylbenzene	5.2	80	46	40		D2E4
2-Chlorotoluene	6.4	200	ND	40		D2
1,3,5-Trimethylbenzene	6.0	80	ND	40		D2
4-Chlorotoluene	6.4	200	ND	40		D2
tert-Butylbenzene	7.2	200	ND	40		D2
1,2,4-Trimethylbenzene	5.2	80	ND	40		D2
sec-Butylbenzene	6.8	200	ND	40		D2
1,3-Dichlorobenzene	4.4	40	ND	40		D2
p-Isopropyltoluene	4.0	80	ND	40		D2
1,4-Dichlorobenzene	4.4	40	ND	40		D2
n-Butylbenzene	13	200	ND	40		D2
1,2-Dichlorobenzene	5.6	40	ND	40		D2
1,2-Dibromo-3-chloropropane	32	200	ND	40		D2
1,2,4-Trichlorobenzene	14	200	ND	40		D2
Hexachlorobutadiene	24	40	ND	40		D2
Naphthalene	12	80	220	40		D2
1,2,3-Trichlorobenzene	15	200	ND	40		D2

Surrogate Recoveries are reported in Appendix O-A

Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602054

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-63A-6D2DL

Lab Sample ID: D0602054-004DL Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/13/06

Date Extracted:

Date Analyzed: 12/14/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	101	82-124	
Dibromofluoromethane - SS	98	84-127	
Toluene-d8 - SS	99	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602054

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-39A-6D2

Lab Sample ID: D0602054-005

Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/13/06

Date Extracted:

Date Analyzed: 12/14/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	ND	1		
Vinyl chloride	0.22	1.0	ND	1		
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	ND	1		
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	0.35	1		E4
Acetone	1.0	20	2.0	1		E4
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	280	1		
1,1-Dichloroethane	0.12	2.0	0.60	1		E4
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	5.2	1		
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	ND	1		
1,1,1-Trichloroethane	0.14	2.0	ND	1		
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	250	1		
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	3.0	1		
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	ND	1		
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	0.20	1		E4
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A

Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602054

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-39A-6D2

Lab Sample ID: D0602054-005

Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/13/06

Date Extracted: _____

Date Analyzed: 12/14/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	ND	1		
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	ND	1		
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	ND	1		
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	120	1		
Xylene (total)	0.14	10	120	1		
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	ND	1		
Isopropylbenzene	0.17	2.0	42	1		
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	26	1		
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	5.4	1		
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	1.0	1		E4
1,2,4-Trimethylbenzene	0.13	2.0	21	1		
sec-Butylbenzene	0.17	5.0	5.3	1		
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	0.71	1		E4
1,4-Dichlorobenzene	0.11	1.0	ND	1		
n-Butylbenzene	0.33	5.0	ND	1		
1,2-Dichlorobenzene	0.14	1.0	ND	1		
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		
Naphthalene	0.29	2.0	63	1		
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602054

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-39A-6D2

Lab Sample ID: D0602054-005 Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/13/06

Date Extracted: _____

Date Analyzed: 12/14/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	102	82-124	
Dibromofluoromethane - SS	98	84-127	
Toluene-d8 - SS	100	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

Surrogate Recoveries are reported in Appendix O-A

Internal Standards are reported in Appendix O-C

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602054

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-39A-6D2DL

Lab Sample ID: D0602054-005DL Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/13/06

Date Extracted:

Date Analyzed: 12/14/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	14	200	ND	40		D2
Chloromethane	9.2	200	ND	40		D2
Vinyl chloride	8.8	40	ND	40		D2
Bromomethane	11	40	ND	40		D2
Chloroethane	8.0	200	ND	40		D2
Trichlorofluoromethane	5.6	200	ND	40		D2
1,1-Dichloroethene	7.6	80	ND	40		D2
Acetone	40	800	ND	40		D2
Carbon disulfide	4.4	200	ND	40		D2
Methylene chloride	6.0	200	ND	40		D2
Iodomethane	8.0	400	ND	40		D2
trans-1,2-Dichloroethene	6.4	80	ND	40		D2
Tert-butylmethylether	6.8	40	490	40		D2
1,1-Dichloroethane	4.8	80	ND	40		D2
Vinyl acetate	34	1000	ND	40		D2
2,2-Dichloropropane	13	80	ND	40		D2
cis-1,2-Dichloroethene	6.8	80	ND	40		D2
2-Butanone	36	400	ND	40		D2
Bromochloromethane	10	200	ND	40		D2
Chloroform	5.6	80	10	40		D2E4
1,1,1-Trichloroethane	5.6	80	ND	40		D2
1,1-Dichloropropene	7.2	80	ND	40		D2
Carbon tetrachloride	7.2	80	ND	40		D2
Benzene	4.8	40	900	40		D2
1,2-Dichloroethane	7.2	40	ND	40		D2
Trichloroethene	4.0	40	ND	40		D2
1,2-Dichloropropane	6.8	80	ND	40		D2
Dibromomethane	7.2	80	ND	40		D2
Bromodichloromethane	6.8	40	ND	40		D2
cis-1,3-Dichloropropene	5.2	80	ND	40		D2
4-methyl-2-pentanone	34	400	ND	40		D2
Toluene	5.6	80	ND	40		D2
trans-1,3-Dichloropropene	7.6	80	ND	40		D2

Surrogate Recoveries are reported in Appendix O-A

Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602054

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-39A-6D2DL

Lab Sample ID: D0602054-005DL Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/13/06

Date Extracted:

Date Analyzed: 12/14/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	8.8	40	ND	40		D2
Tetrachloroethene	8.8	40	ND	40		D2
1,3-Dichloropropane	4.4	80	ND	40		D2
2-Hexanone	23	400	ND	40		D2
Dibromochloromethane	6.0	80	ND	40		D2
1,2-Dibromoethane	6.0	80	ND	40		D2
Chlorobenzene	6.0	40	ND	40		D2
1,1,1,2-Tetrachloroethane	9.2	200	ND	40		D2
Ethylbenzene	6.0	80	250	40		D2
Xylene (total)	5.6	400	120	40		D2E4
Styrene	6.4	80	ND	40		D2
Bromoform	7.2	200	ND	40		D2
Isopropylbenzene	6.8	80	42	40		D2E4
1,1,2,2-Tetrachloroethane	6.8	40	ND	40		D2
Bromobenzene	6.8	200	ND	40		D2
1,2,3-Trichloropropane	8.0	400	ND	40		D2
n-Propylbenzene	5.2	80	24	40		D2E4
2-Chlorotoluene	6.4	200	ND	40		D2
1,3,5-Trimethylbenzene	6.0	80	9.5	40		D2E4
4-Chlorotoluene	6.4	200	ND	40		D2
tert-Butylbenzene	7.2	200	ND	40		D2
1,2,4-Trimethylbenzene	5.2	80	21	40		D2E4
sec-Butylbenzene	6.8	200	ND	40		D2
1,3-Dichlorobenzene	4.4	40	ND	40		D2
p-Isopropyltoluene	4.0	80	ND	40		D2
1,4-Dichlorobenzene	4.4	40	ND	40		D2
n-Butylbenzene	13	200	ND	40		D2
1,2-Dichlorobenzene	5.6	40	ND	40		D2
1,2-Dibromo-3-chloropropane	32	200	ND	40		D2
1,2,4-Trichlorobenzene	14	200	ND	40		D2
Hexachlorobutadiene	24	40	ND	40		D2
Naphthalene	12	80	83	40		D2
1,2,3-Trichlorobenzene	15	200	ND	40		D2

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2

RESULTS

Analytical Method: SW8260

AAB #: D0602054

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-39A-6D2DL

Lab Sample ID: D0602054-005DL Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/13/06

Date Extracted:

Date Analyzed: 12/14/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	99	82-124	
Dibromofluoromethane - SS	101	84-127	
Toluene-d8 - SS	100	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602054

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-38A-6D2

Lab Sample ID: D0602054-006

Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/13/06

Date Extracted: _____

Date Analyzed: 12/14/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	ND	1		
Vinyl chloride	0.22	1.0	ND	1		
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	ND	1		
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	0.70	1		E4
Acetone	1.0	20	1.9	1		E4
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	70	1		
1,1-Dichloroethane	0.12	2.0	0.78	1		E4
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	1.4	1		E4
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	0.26	1		E4
1,1,1-Trichloroethane	0.14	2.0	ND	1		
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	240	1		
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	3.6	1		
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	ND	1		
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	0.41	1		E4
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A

Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602054

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-38A-6D2

Lab Sample ID: D0602054-006

Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/13/06

Date Extracted:

Date Analyzed: 12/14/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	1.4	1		
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	ND	1		
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	ND	1		
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	110	1		
Xylene (total)	0.14	10	52	1		
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	ND	1		
Isopropylbenzene	0.17	2.0	22	1		
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	18	1		
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	2.9	1		
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	0.44	1		E4
1,2,4-Trimethylbenzene	0.13	2.0	22	1		
sec-Butylbenzene	0.17	5.0	2.6	1		E4
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	1.2	1		E4
1,4-Dichlorobenzene	0.11	1.0	ND	1		
n-Butylbenzene	0.33	5.0	ND	1		
1,2-Dichlorobenzene	0.14	1.0	ND	1		
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		
Naphthalene	0.29	2.0	59	1		
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A

Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602054

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-38A-6D2

Lab Sample ID: D0602054-006 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/13/06

Date Extracted:

Date Analyzed: 12/14/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	103	82-124	
Dibromofluoromethane - SS	97	84-127	
Toluene-d8 - SS	99	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602054

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-38A-6D2DL

Lab Sample ID: D0602054-006DL

Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/13/06

Date Extracted:

Date Analyzed: 12/14/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	14	200	ND	40		D2
Chloromethane	9.2	200	ND	40		D2
Vinyl chloride	8.8	40	ND	40		D2
Bromomethane	11	40	ND	40		D2
Chloroethane	8.0	200	ND	40		D2
Trichlorofluoromethane	5.6	200	ND	40		D2
1,1-Dichloroethene	7.6	80	ND	40		D2
Acetone	40	800	ND	40		D2
Carbon disulfide	4.4	200	ND	40		D2
Methylene chloride	6.0	200	ND	40		D2
Iodomethane	8.0	400	ND	40		D2
trans-1,2-Dichloroethene	6.4	80	ND	40		D2
Tert-butylmethylether	6.8	40	71	40		D2
1,1-Dichloroethane	4.8	80	ND	40		D2
Vinyl acetate	34	1000	ND	40		D2
2,2-Dichloropropane	13	80	ND	40		D2
cis-1,2-Dichloroethene	6.8	80	ND	40		D2
2-Butanone	36	400	ND	40		D2
Bromochloromethane	10	200	ND	40		D2
Chloroform	5.6	80	12	40		D2E4
1,1,1-Trichloroethane	5.6	80	ND	40		D2
1,1-Dichloropropene	7.2	80	ND	40		D2
Carbon tetrachloride	7.2	80	ND	40		D2
Benzene	4.8	40	750	40		D2
1,2-Dichloroethane	7.2	40	ND	40		D2
Trichloroethene	4.0	40	ND	40		D2
1,2-Dichloropropane	6.8	80	ND	40		D2
Dibromomethane	7.2	80	ND	40		D2
Bromodichloromethane	6.8	40	ND	40		D2
cis-1,3-Dichloropropene	5.2	80	ND	40		D2
4-methyl-2-pentanone	34	400	ND	40		D2
Toluene	5.6	80	ND	40		D2
trans-1,3-Dichloropropene	7.6	80	ND	40		D2

Surrogate Recoveries are reported in Appendix O-A

Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602054

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-38A-6D2DL

Lab Sample ID: D0602054-006DL Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/13/06

Date Extracted: _____

Date Analyzed: 12/14/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	8.8	40	ND	40		D2
Tetrachloroethene	8.8	40	ND	40		D2
1,3-Dichloropropane	4.4	80	ND	40		D2
2-Hexanone	23	400	ND	40		D2
Dibromochloromethane	6.0	80	ND	40		D2
1,2-Dibromoethane	6.0	80	ND	40		D2
Chlorobenzene	6.0	40	ND	40		D2
1,1,1,2-Tetrachloroethane	9.2	200	ND	40		D2
Ethylbenzene	6.0	80	200	40		D2
Xylene (total)	5.6	400	54	40		D2E4
Styrene	6.4	80	ND	40		D2
Bromoform	7.2	200	ND	40		D2
Isopropylbenzene	6.8	80	23	40		D2E4
1,1,2,2-Tetrachloroethane	6.8	40	ND	40		D2
Bromobenzene	6.8	200	ND	40		D2
1,2,3-Trichloropropane	8.0	400	ND	40		D2
n-Propylbenzene	5.2	80	18	40		D2E4
2-Chlorotoluene	6.4	200	ND	40		D2
1,3,5-Trimethylbenzene	6.0	80	6.9	40		D2E4
4-Chlorotoluene	6.4	200	ND	40		D2
tert-Butylbenzene	7.2	200	ND	40		D2
1,2,4-Trimethylbenzene	5.2	80	25	40		D2E4
sec-Butylbenzene	6.8	200	ND	40		D2
1,3-Dichlorobenzene	4.4	40	ND	40		D2
p-Isopropyltoluene	4.0	80	ND	40		D2
1,4-Dichlorobenzene	4.4	40	ND	40		D2
n-Butylbenzene	13	200	ND	40		D2
1,2-Dichlorobenzene	5.6	40	ND	40		D2
1,2-Dibromo-3-chloropropane	32	200	ND	40		D2
1,2,4-Trichlorobenzene	14	200	ND	40		D2
Hexachlorobutadiene	24	40	ND	40		D2
Naphthalene	12	80	67	40		D2E4
1,2,3-Trichlorobenzene	15	200	ND	40		D2

Surrogate Recoveries are reported in Appendix O-A

Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602054

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-38A-6D2DL

Lab Sample ID: D0602054-006DL Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/13/06

Date Extracted:

Date Analyzed: 12/14/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	103	82-124	
Dibromofluoromethane - SS	97	84-127	
Toluene-d8 - SS	101	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602054

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: PL-101A-6D2

Lab Sample ID: D0602054-007 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/13/06

Date Extracted:

Date Analyzed: 12/14/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	ND	1		
Vinyl chloride	0.22	1.0	ND	1		
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	ND	1		
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	0.56	1		E4
Acetone	1.0	20	2.1	1		E4
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	18	1		
1,1-Dichloroethane	0.12	2.0	0.78	1		E4
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	1.7	1		E4
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	ND	1		
1,1,1-Trichloroethane	0.14	2.0	ND	1		
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	170	1		
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	0.30	1		E4
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	ND	1		
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	0.18	1		E4
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602054

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: PL-101A-6D2

Lab Sample ID: D0602054-007 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/13/06

Date Extracted:

Date Analyzed: 12/14/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	0.28	1		E4
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	ND	1		
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	ND	1		
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	110	1		
Xylene (total)	0.14	10	35	1		
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	1.7	1		E4
Isopropylbenzene	0.17	2.0	53	1		
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	49	1		
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	13	1		
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	1.8	1		E4
1,2,4-Trimethylbenzene	0.13	2.0	54	1		
sec-Butylbenzene	0.17	5.0	11	1		
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	5.1	1		
1,4-Dichlorobenzene	0.11	1.0	ND	1		
n-Butylbenzene	0.33	5.0	ND	1		
1,2-Dichlorobenzene	0.14	1.0	ND	1		
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		
Naphthalene	0.29	2.0	110	1		
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A

Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

AAB #: D0602054

Lab Name: Columbia Analytical Services/Redding

Lab Sample ID: D0602054-007 Matrix: Water

Initial Calibration ID: 12/05/06MSM

Date Received: 12/13/06 Date Extracted: Date Analyzed: 12/14/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	101	82-124	
Dibromofluoromethane - SS	98	84-127	
Toluene-d8 - SS	99	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602054

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: PL-101A-6D2DL

Lab Sample ID: D0602054-007DL Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/13/06

Date Extracted:

Date Analyzed: 12/14/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	14	200	ND	40		D2
Chloromethane	9.2	200	ND	40		D2
Vinyl chloride	8.8	40	ND	40		D2
Bromomethane	11	40	ND	40		D2
Chloroethane	8.0	200	ND	40		D2
Trichlorofluoromethane	5.6	200	ND	40		D2
1,1-Dichloroethene	7.6	80	ND	40		D2
Acetone	40	800	ND	40		D2
Carbon disulfide	4.4	200	ND	40		D2
Methylene chloride	6.0	200	ND	40		D2
Iodomethane	8.0	400	ND	40		D2
trans-1,2-Dichloroethene	6.4	80	ND	40		D2
Tert-butylmethylether	6.8	40	18	40		D2E4
1,1-Dichloroethane	4.8	80	ND	40		D2
Vinyl acetate	34	1000	ND	40		D2
2,2-Dichloropropane	13	80	ND	40		D2
cis-1,2-Dichloroethene	6.8	80	ND	40		D2
2-Butanone	36	400	ND	40		D2
Bromochloromethane	10	200	ND	40		D2
Chloroform	5.6	80	10	40		D2E4
1,1,1-Trichloroethane	5.6	80	ND	40		D2
1,1-Dichloropropene	7.2	80	ND	40		D2
Carbon tetrachloride	7.2	80	ND	40		D2
Benzene	4.8	40	230	40		D2
1,2-Dichloroethane	7.2	40	ND	40		D2
Trichloroethene	4.0	40	ND	40		D2
1,2-Dichloropropane	6.8	80	ND	40		D2
Dibromomethane	7.2	80	ND	40		D2
Bromodichloromethane	6.8	40	ND	40		D2
cis-1,3-Dichloropropene	5.2	80	ND	40		D2
4-methyl-2-pentanone	34	400	ND	40		D2
Toluene	5.6	80	ND	40		D2
trans-1,3-Dichloropropene	7.6	80	ND	40		D2

Surrogate Recoveries are reported in Appendix O-A

Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602054

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: PL-101A-6D2DL

Lab Sample ID: D0602054-007DL Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/13/06

Date Extracted:

Date Analyzed: 12/14/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	8.8	40	ND	40		D2
Tetrachloroethene	8.8	40	ND	40		D2
1,3-Dichloropropane	4.4	80	ND	40		D2
2-Hexanone	23	400	ND	40		D2
Dibromochloromethane	6.0	80	ND	40		D2
1,2-Dibromoethane	6.0	80	ND	40		D2
Chlorobenzene	6.0	40	ND	40		D2
1,1,1,2-Tetrachloroethane	9.2	200	ND	40		D2
Ethylbenzene	6.0	80	200	40		D2
Xylene (total)	5.6	400	33	40		D2E4
Styrene	6.4	80	ND	40		D2
Bromoform	7.2	200	ND	40		D2
Isopropylbenzene	6.8	80	52	40		D2E4
1,1,2,2-Tetrachloroethane	6.8	40	ND	40		D2
Bromobenzene	6.8	200	ND	40		D2
1,2,3-Trichloropropane	8.0	400	ND	40		D2
n-Propylbenzene	5.2	80	45	40		D2E4
2-Chlorotoluene	6.4	200	ND	40		D2
1,3,5-Trimethylbenzene	6.0	80	13	40		D2E4
4-Chlorotoluene	6.4	200	ND	40		D2
tert-Butylbenzene	7.2	200	ND	40		D2
1,2,4-Trimethylbenzene	5.2	80	53	40		D2E4
sec-Butylbenzene	6.8	200	10	40		D2E4
1,3-Dichlorobenzene	4.4	40	ND	40		D2
p-Isopropyltoluene	4.0	80	ND	40		D2
1,4-Dichlorobenzene	4.4	40	ND	40		D2
n-Butylbenzene	13	200	ND	40		D2
1,2-Dichlorobenzene	5.6	40	ND	40		D2
1,2-Dibromo-3-chloropropane	32	200	ND	40		D2
1,2,4-Trichlorobenzene	14	200	ND	40		D2
Hexachlorobutadiene	24	40	ND	40		D2
Naphthalene	12	80	160	40		D2
1,2,3-Trichlorobenzene	15	200	ND	40		D2

Surrogate Recoveries are reported in Appendix O-A

Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

AAB #: D0602054

Lab Name: Columbia Analytical Services/Redding

Lab Sample ID: D0602054-007DL Matrix: Water

Initial Calibration ID: 12/05/06MSM

Date Extracted:

Date Analyzed: 12/14/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	105	82-124	
Dibromofluoromethane - SS	98	84-127	
Toluene-d8 - SS	102	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602054

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: PL-508-6D2

Lab Sample ID: D0602054-008

Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/13/06

Date Extracted:

Date Analyzed: 12/14/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	ND	1		
Vinyl chloride	0.22	1.0	ND	1		
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	ND	1		
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	0.74	1		E4
Acetone	1.0	20	1.9	1		E4
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	72	1		
1,1-Dichloroethane	0.12	2.0	0.81	1		E4
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	1.5	1		E4
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	0.25	1		E4
1,1,1-Trichloroethane	0.14	2.0	ND	1		
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	240	1		
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	3.5	1		
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	ND	1		
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	0.40	1		E4
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602054

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: PL-508-6D2

Lab Sample ID: D0602054-008 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/13/06

Date Extracted:

Date Analyzed: 12/14/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	1.4	1		
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	ND	1		
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	ND	1		
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	100	1		
Xylene (total)	0.14	10	53	1		
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	ND	1		
Isopropylbenzene	0.17	2.0	23	1		
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	18	1		
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	2.9	1		
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	0.35	1		E4
1,2,4-Trimethylbenzene	0.13	2.0	23	1		
sec-Butylbenzene	0.17	5.0	2.5	1		E4
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	1.2	1		E4
1,4-Dichlorobenzene	0.11	1.0	ND	1		
n-Butylbenzene	0.33	5.0	ND	1		
1,2-Dichlorobenzene	0.14	1.0	ND	1		
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		
Naphthalene	0.29	2.0	63	1		
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602054

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: PL-508-6D2

Lab Sample ID: D0602054-008 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/13/06

Date Extracted:

Date Analyzed: 12/14/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	101	82-124	
Dibromofluoromethane - SS	97	84-127	
Toluene-d8 - SS	98	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602054

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: PL-508-6D2DL

Lab Sample ID: D0602054-008DL Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/13/06

Date Extracted: _____

Date Analyzed: 12/14/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	14	200	ND	40		D2
Chloromethane	9.2	200	ND	40		D2
Vinyl chloride	8.8	40	ND	40		D2
Bromomethane	11	40	ND	40		D2
Chloroethane	8.0	200	ND	40		D2
Trichlorofluoromethane	5.6	200	ND	40		D2
1,1-Dichloroethene	7.6	80	ND	40		D2
Acetone	40	800	ND	40		D2
Carbon disulfide	4.4	200	ND	40		D2
Methylene chloride	6.0	200	ND	40		D2
Iodomethane	8.0	400	ND	40		D2
trans-1,2-Dichloroethene	6.4	80	ND	40		D2
Tert-butylmethylether	6.8	40	74	40		D2
1,1-Dichloroethane	4.8	80	ND	40		D2
Vinyl acetate	34	1000	ND	40		D2
2,2-Dichloropropane	13	80	ND	40		D2
cis-1,2-Dichloroethene	6.8	80	ND	40		D2
2-Butanone	36	400	ND	40		D2
Bromochloromethane	10	200	ND	40		D2
Chloroform	5.6	80	12	40		D2E4
1,1,1-Trichloroethane	5.6	80	ND	40		D2
1,1-Dichloropropene	7.2	80	ND	40		D2
Carbon tetrachloride	7.2	80	ND	40		D2
Benzene	4.8	40	750	40		D2
1,2-Dichloroethane	7.2	40	ND	40		D2
Trichloroethene	4.0	40	ND	40		D2
1,2-Dichloropropane	6.8	80	ND	40		D2
Dibromomethane	7.2	80	ND	40		D2
Bromodichloromethane	6.8	40	ND	40		D2
cis-1,3-Dichloropropene	5.2	80	ND	40		D2
4-methyl-2-pentanone	34	400	ND	40		D2
Toluene	5.6	80	ND	40		D2
trans-1,3-Dichloropropene	7.6	80	ND	40		D2

Surrogate Recoveries are reported in Appendix O-A

Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602054

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: PL-508-6D2DL

Lab Sample ID: D0602054-008DL Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/13/06

Date Extracted:

Date Analyzed: 12/14/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	8.8	40	ND	40		D2
Tetrachloroethene	8.8	40	ND	40		D2
1,3-Dichloropropane	4.4	80	ND	40		D2
2-Hexanone	23	400	ND	40		D2
Dibromochloromethane	6.0	80	ND	40		D2
1,2-Dibromoethane	6.0	80	ND	40		D2
Chlorobenzene	6.0	40	ND	40		D2
1,1,1,2-Tetrachloroethane	9.2	200	ND	40		D2
Ethylbenzene	6.0	80	200	40		D2
Xylene (total)	5.6	400	52	40		D2E4
Styrene	6.4	80	ND	40		D2
Bromoform	7.2	200	ND	40		D2
Isopropylbenzene	6.8	80	23	40		D2E4
1,1,2,2-Tetrachloroethane	6.8	40	ND	40		D2
Bromobenzene	6.8	200	ND	40		D2
1,2,3-Trichloropropane	8.0	400	ND	40		D2
n-Propylbenzene	5.2	80	18	40		D2E4
2-Chlorotoluene	6.4	200	ND	40		D2
1,3,5-Trimethylbenzene	6.0	80	6.9	40		D2E4
4-Chlorotoluene	6.4	200	ND	40		D2
tert-Butylbenzene	7.2	200	ND	40		D2
1,2,4-Trimethylbenzene	5.2	80	23	40		D2E4
sec-Butylbenzene	6.8	200	ND	40		D2
1,3-Dichlorobenzene	4.4	40	ND	40		D2
p-Isopropyltoluene	4.0	80	ND	40		D2
1,4-Dichlorobenzene	4.4	40	ND	40		D2
n-Butylbenzene	13	200	ND	40		D2
1,2-Dichlorobenzene	5.6	40	ND	40		D2
1,2-Dibromo-3-chloropropane	32	200	ND	40		D2
1,2,4-Trichlorobenzene	14	200	ND	40		D2
Hexachlorobutadiene	24	40	ND	40		D2
Naphthalene	12	80	65	40		D2E4
1,2,3-Trichlorobenzene	15	200	ND	40		D2

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602054

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: PL-508-6D2DL

Lab Sample ID: D0602054-008DL Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/13/06

Date Extracted:

Date Analyzed: 12/14/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	102	82-124	
Dibromofluoromethane - SS	98	84-127	
Toluene-d8 - SS	101	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602054

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-57A-6D2

Lab Sample ID: D0602054-009

Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/13/06

Date Extracted:

Date Analyzed: 12/14/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	1.0	1		E4
Vinyl chloride	0.22	1.0	15	1		
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	21	1		
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	ND	1		
Acetone	1.0	20	2.9	1		E4
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	91	1		
1,1-Dichloroethane	0.12	2.0	25	1		
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	0.86	1		E4
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	ND	1		
1,1,1-Trichloroethane	0.14	2.0	ND	1		
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	260	1		
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	0.20	1		E4
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	ND	1		
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	1.1	1		E4
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A

Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602054

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-57A-6D2

Lab Sample ID: D0602054-009 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/13/06

Date Extracted:

Date Analyzed: 12/14/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	0.38	1		E4
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	ND	1		
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	ND	1		
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	60	1		
Xylene (total)	0.14	10	8.2	1		E4
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	ND	1		
Isopropylbenzene	0.17	2.0	58	1		
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	78	1		
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	4.9	1		
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	1.7	1		E4
1,2,4-Trimethylbenzene	0.13	2.0	19	1		
sec-Butylbenzene	0.17	5.0	16	1		
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	5.6	1		
1,4-Dichlorobenzene	0.11	1.0	0.12	1		E4
n-Butylbenzene	0.33	5.0	ND	1		
1,2-Dichlorobenzene	0.14	1.0	0.16	1		E4
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		
Naphthalene	0.29	2.0	160	1		
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A

Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2

RESULTS

Analytical Method: SW8260

AAB #: D0602054

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-57A-6D2

Lab Sample ID: D0602054-009 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/13/06

Date Extracted:

Date Analyzed: 12/14/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	102	82-124	
Dibromofluoromethane - SS	93	84-127	
Toluene-d8 - SS	92	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
I,4-Dichlorobenzene-d4	

Comments:

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602054

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-57A-6D2DL

Lab Sample ID: D0602054-009DL Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/13/06

Date Extracted:

Date Analyzed: 12/14/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	3.6	50	ND	10		D2
Chloromethane	2.3	50	ND	10		D2
Vinyl chloride	2.2	10	16	10		D2
Bromomethane	2.7	10	ND	10		D2
Chloroethane	2.0	50	22	10		D2E4
Trichlorofluoromethane	1.4	50	ND	10		D2
1,1-Dichloroethene	1.9	20	ND	10		D2
Acetone	10	200	ND	10		D2
Carbon disulfide	1.1	50	ND	10		D2
Methylene chloride	1.5	50	ND	10		D2
Iodomethane	2.0	100	ND	10		D2
trans-1,2-Dichloroethene	1.6	20	ND	10		D2
Tert-butylmethylether	1.7	10	88	10		D2
1,1-Dichloroethane	1.2	20	23	10		D2
Vinyl acetate	8.4	250	ND	10		D2
2,2-Dichloropropane	3.3	20	ND	10		D2
cis-1,2-Dichloroethene	1.7	20	ND	10		D2
2-Butanone	9.0	100	ND	10		D2
Bromochloromethane	2.5	50	ND	10		D2
Chloroform	1.4	20	3.0	10		D2E4
1,1,1-Trichloroethane	1.4	20	ND	10		D2
1,1-Dichloropropene	1.8	20	ND	10		D2
Carbon tetrachloride	1.8	20	ND	10		D2
Benzene	1.2	10	670	10		D2
1,2-Dichloroethane	1.8	10	ND	10		D2
Trichloroethene	1.0	10	ND	10		D2
1,2-Dichloropropane	1.7	20	ND	10		D2
Dibromomethane	1.8	20	ND	10		D2
Bromodichloromethane	1.7	10	ND	10		D2
cis-1,3-Dichloropropene	1.3	20	ND	10		D2
4-methyl-2-pentanone	8.5	100	ND	10		D2
Toluene	1.4	20	ND	10		D2
trans-1,3-Dichloropropene	1.9	20	ND	10		D2

Surrogate Recoveries are reported in Appendix O-A

Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602054

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-57A-6D2DL

Lab Sample ID: D0602054-009DL Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/13/06

Date Extracted:

Date Analyzed: 12/14/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	2.2	10	ND	10		D2
Tetrachloroethene	2.2	10	ND	10		D2
1,3-Dichloropropane	1.1	20	ND	10		D2
2-Hexanone	5.8	100	ND	10		D2
Dibromochloromethane	1.5	20	ND	10		D2
1,2-Dibromoethane	1.5	20	ND	10		D2
Chlorobenzene	1.5	10	ND	10		D2
1,1,1,2-Tetrachloroethane	2.3	50	ND	10		D2
Ethylbenzene	1.5	20	62	10		D2
Xylene (total)	1.4	100	7.9	10		D2E4
Styrene	1.6	20	ND	10		D2
Bromoform	1.8	50	ND	10		D2
Isopropylbenzene	1.7	20	64	10		D2
1,1,2,2-Tetrachloroethane	1.7	10	ND	10		D2
Bromobenzene	1.7	50	2.3	10		D2E4
1,2,3-Trichloropropane	2.0	100	ND	10		D2
n-Propylbenzene	1.3	20	74	10		D2
2-Chlorotoluene	1.6	50	ND	10		D2
1,3,5-Trimethylbenzene	1.5	20	4.7	10		D2E4
4-Chlorotoluene	1.6	50	ND	10		D2
tert-Butylbenzene	1.8	50	1.9	10		D2E4
1,2,4-Trimethylbenzene	1.3	20	18	10		D2E4
sec-Butylbenzene	1.7	50	17	10		D2E4
1,3-Dichlorobenzene	1.1	10	ND	10		D2
p-Isopropyltoluene	1.0	20	5.7	10		D2E4
1,4-Dichlorobenzene	1.1	10	ND	10		D2
n-Butylbenzene	3.3	50	ND	10		D2
1,2-Dichlorobenzene	1.4	10	ND	10		D2
1,2-Dibromo-3-chloropropane	8.1	50	ND	10		D2
1,2,4-Trichlorobenzene	3.6	50	ND	10		D2
Hexachlorobutadiene	6.0	10	ND	10		D2
Naphthalene	2.9	20	470	10		D2
1,2,3-Trichlorobenzene	3.7	50	ND	10		D2

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602054

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-57A-6D2DL

Lab Sample ID: D0602054-009DL Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/13/06

Date Extracted:

Date Analyzed: 12/14/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	98	82-124	
Dibromofluoromethane - SS	96	84-127	
Toluene-d8 - SS	98	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602054

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-56A-6D2

Lab Sample ID: D0602054-010 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/13/06

Date Extracted:

Date Analyzed: 12/14/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	ND	1		
Vinyl chloride	0.22	1.0	19	1		
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	11	1		
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	ND	1		
Acetone	1.0	20	2.6	1		E4
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	23	1		
1,1-Dichloroethane	0.12	2.0	78	1		
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	0.98	1		E4
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	ND	1		
1,1,1-Trichloroethane	0.14	2.0	ND	1		
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	230	1		
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	ND	1		
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	ND	1		
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	2.4	1		
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602054

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-56A-6D2

Lab Sample ID: D0602054-010

Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/13/06

Date Extracted: _____

Date Analyzed: 12/14/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	ND	1		
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	ND	1		
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	ND	1		
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	95	1		
Xylene (total)	0.14	10	77	1		
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	ND	1		
Isopropylbenzene	0.17	2.0	55	1		
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	66	1		
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	19	1		
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	1.9	1		E4
1,2,4-Trimethylbenzene	0.13	2.0	82	1		
sec-Butylbenzene	0.17	5.0	9.8	1		
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	8.6	1		
1,4-Dichlorobenzene	0.11	1.0	0.12	1		E4
n-Butylbenzene	0.33	5.0	ND	1		
1,2-Dichlorobenzene	0.14	1.0	ND	1		
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		
Naphthalene	0.29	2.0	140	1		
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A

Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602054

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-56A-6D2

Lab Sample ID: D0602054-010 Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/13/06

Date Extracted: _____

Date Analyzed: 12/14/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	91	82-124	
Dibromofluoromethane - SS	87	84-127	
Toluene-d8 - SS	90	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602054

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-56A-6D2DL

Lab Sample ID: D0602054-010DL

Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/13/06

Date Extracted:

Date Analyzed: 12/14/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	3.6	50	ND	10		D2
Chloromethane	2.3	50	ND	10		D2
Vinyl chloride	2.2	10	20	10		D2
Bromomethane	2.7	10	ND	10		D2
Chloroethane	2.0	50	15	10		D2E4
Trichlorofluoromethane	1.4	50	ND	10		D2
1,1-Dichloroethene	1.9	20	ND	10		D2
Acetone	10	200	ND	10		D2
Carbon disulfide	1.1	50	ND	10		D2
Methylene chloride	1.5	50	ND	10		D2
Iodomethane	2.0	100	ND	10		D2
trans-1,2-Dichloroethene	1.6	20	ND	10		D2
Tert-butylmethylether	1.7	10	24	10		D2
1,1-Dichloroethane	1.2	20	80	10		D2
Vinyl acetate	8.4	250	ND	10		D2
2,2-Dichloropropane	3.3	20	ND	10		D2
cis-1,2-Dichloroethene	1.7	20	ND	10		D2
2-Butanone	9.0	100	ND	10		D2
Bromochloromethane	2.5	50	ND	10		D2
Chloroform	1.4	20	3.1	10		D2E4
1,1,1-Trichloroethane	1.4	20	ND	10		D2
1,1-Dichloropropene	1.8	20	ND	10		D2
Carbon tetrachloride	1.8	20	ND	10		D2
Benzene	1.2	10	530	10		D2
1,2-Dichloroethane	1.8	10	ND	10		D2
Trichloroethene	1.0	10	ND	10		D2
1,2-Dichloropropane	1.7	20	ND	10		D2
Dibromomethane	1.8	20	ND	10		D2
Bromodichloromethane	1.7	10	ND	10		D2
cis-1,3-Dichloropropene	1.3	20	ND	10		D2
4-methyl-2-pentanone	8.5	100	ND	10		D2
Toluene	1.4	20	2.5	10		D2E4
trans-1,3-Dichloropropene	1.9	20	ND	10		D2

Surrogate Recoveries are reported in Appendix O-A

Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602054

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-56A-6D2DL

Lab Sample ID: D0602054-010DL Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/13/06

Date Extracted:

Date Analyzed: 12/14/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	2.2	10	ND	10		D2
Tetrachloroethene	2.2	10	ND	10		D2
1,3-Dichloropropane	1.1	20	ND	10		D2
2-Hexanone	5.8	100	ND	10		D2
Dibromochloromethane	1.5	20	ND	10		D2
1,2-Dibromoethane	1.5	20	ND	10		D2
Chlorobenzene	1.5	10	ND	10		D2
1,1,1,2-Tetrachloroethane	2.3	50	ND	10		D2
Ethylbenzene	1.5	20	140	10		D2
Xylene (total)	1.4	100	80	10		D2E4
Styrene	1.6	20	ND	10		D2
Bromoform	1.8	50	ND	10		D2
Isopropylbenzene	1.7	20	61	10		D2
1,1,2,2-Tetrachloroethane	1.7	10	ND	10		D2
Bromobenzene	1.7	50	ND	10		D2
1,2,3-Trichloropropane	2.0	100	ND	10		D2
n-Propylbenzene	1.3	20	69	10		D2
2-Chlorotoluene	1.6	50	ND	10		D2
1,3,5-Trimethylbenzene	1.5	20	20	10		D2
4-Chlorotoluene	1.6	50	ND	10		D2
tert-Butylbenzene	1.8	50	2.2	10		D2E4
1,2,4-Trimethylbenzene	1.3	20	110	10		D2
sec-Butylbenzene	1.7	50	10	10		D2E4
1,3-Dichlorobenzene	1.1	10	ND	10		D2
p-Isopropyltoluene	1.0	20	8.9	10		D2E4
1,4-Dichlorobenzene	1.1	10	ND	10		D2
n-Butylbenzene	3.3	50	ND	10		D2
1,2-Dichlorobenzene	1.4	10	ND	10		D2
1,2-Dibromo-3-chloropropane	8.1	50	ND	10		D2
1,2,4-Trichlorobenzene	3.6	50	ND	10		D2
Hexachlorobutadiene	6.0	10	ND	10		D2
Naphthalene	2.9	20	450	10		D2
1,2,3-Trichlorobenzene	3.7	50	ND	10		D2

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2 RESULTS

Analytical Method: SW8260

AAB #: D0602054

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-56A-6D2DL

Lab Sample ID: D0602054-010DL Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/13/06

Date Extracted:

Date Analyzed: 12/14/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	98	82-124	
Dibromofluoromethane - SS	95	84-127	
Toluene-d8 - SS	97	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602054

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-37A-6D2

Lab Sample ID: D0602054-011

Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/13/06

Date Extracted:

Date Analyzed: 12/14/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	ND	1		
Vinyl chloride	0.22	1.0	ND	1		
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	ND	1		
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	0.67	1		E4
Acetone	1.0	20	1.1	1		E4
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	38	1		
1,1-Dichloroethane	0.12	2.0	0.78	1		E4
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	2.2	1		
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	ND	1		
1,1,1-Trichloroethane	0.14	2.0	ND	1		
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	68	1		
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	3.8	1		
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	ND	1		
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	ND	1		
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A

Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602054

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-37A-6D2

Lab Sample ID: D0602054-011

Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/13/06

Date Extracted:

Date Analyzed: 12/14/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	0.56	1		E4
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	ND	1		
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	ND	1		
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	25	1		
Xylene (total)	0.14	10	12	1		
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	ND	1		
Isopropylbenzene	0.17	2.0	11	1		
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	10	1		
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	6.1	1		
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	0.61	1		E4
1,2,4-Trimethylbenzene	0.13	2.0	20	1		
sec-Butylbenzene	0.17	5.0	3.6	1		E4
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	1.4	1		E4
1,4-Dichlorobenzene	0.11	1.0	ND	1		
n-Butylbenzene	0.33	5.0	ND	1		
1,2-Dichlorobenzene	0.14	1.0	ND	1		
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		
Naphthalene	0.29	2.0	19	1		
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A

Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602054

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-37A-6D2

Lab Sample ID: D0602054-011 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/13/06

Date Extracted:

Date Analyzed: 12/14/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	100	82-124	
Dibromofluoromethane - SS	98	84-127	
Toluene-d8 - SS	97	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

ORGANIC ANALYSES DATA SHEET 6
BLANKS

Analytical Method: SW8260

AAB #: D0602054

Lab Name: Columbia Analytical Services/Redding

Concentration Units (ug/L or mg/kg): UG/L

Method Blank ID: M1214W01

Lab Sample ID: M1214W01

Initial Calibration ID: 12/05/06MSM

Analyte	MDL	Method Blank	RL	Q
Dichlorodifluoromethane	0.36	ND	5.0	
Chloromethane	0.23	ND	5.0	
Vinyl chloride	0.22	ND	1.0	
Bromomethane	0.27	ND	1.0	
Chloroethane	0.20	ND	5.0	
Trichlorofluoromethane	0.14	ND	5.0	
1,1-Dichloroethene	0.19	ND	2.0	
Acetone	1.0	ND	20	
Carbon disulfide	0.11	ND	5.0	
Methylene chloride	0.15	ND	5.0	
Iodomethane	0.20	ND	10	
trans-1,2-Dichloroethene	0.16	ND	2.0	
Tert-butylmethylether	0.17	ND	1.0	
1,1-Dichloroethane	0.12	ND	2.0	
Vinyl acetate	0.84	ND	25	
2,2-Dichloropropane	0.33	ND	2.0	
cis-1,2-Dichloroethene	0.17	ND	2.0	
2-Butanone	0.90	ND	10	
Bromochloromethane	0.25	ND	5.0	
Chloroform	0.14	0.18	2.0	E4
1,1,1-Trichloroethane	0.14	ND	2.0	
1,1-Dichloropropene	0.18	ND	2.0	
Carbon tetrachloride	0.18	ND	2.0	
Benzene	0.12	ND	1.0	
1,2-Dichloroethane	0.18	ND	1.0	
Trichloroethene	0.10	ND	1.0	
1,2-Dichloropropane	0.17	ND	2.0	
Dibromomethane	0.18	ND	2.0	
Bromodichloromethane	0.17	ND	1.0	
cis-1,3-Dichloropropene	0.13	ND	2.0	
4-methyl-2-pentanone	0.85	ND	10	
Toluene	0.14	ND	2.0	
trans-1,3-Dichloropropene	0.19	ND	2.0	

Comments:

ORGANIC ANALYSES DATA SHEET 6
BLANKS

Analytical Method: SW8260 AAB #: D0602054

Lab Name: Columbia Analytical Services/Redding

Concentration Units (ug/L or mg/kg): UG/L Method Blank ID: M1214W01

Lab Sample ID: M1214W01

Initial Calibration ID: 12/05/06MSM

Analyte	MDL	Method Blank	RL	Q
1,1,2-Trichloroethane	0.22	ND	1.0	
Tetrachloroethene	0.22	ND	1.0	
1,3-Dichloropropane	0.11	ND	2.0	
2-Hexanone	0.58	ND	10	
Dibromochloromethane	0.15	ND	2.0	
1,2-Dibromoethane	0.15	ND	2.0	
Chlorobenzene	0.15	ND	1.0	
1,1,1,2-Tetrachloroethane	0.23	ND	5.0	
Ethylbenzene	0.15	ND	2.0	
Xylene (total)	0.14	ND	10	
Styrene	0.16	ND	2.0	
Bromoform	0.18	ND	5.0	
Isopropylbenzene	0.17	ND	2.0	
1,1,2,2-Tetrachloroethane	0.17	ND	1.0	
Bromobenzene	0.17	ND	5.0	
1,2,3-Trichloropropane	0.20	ND	10	
n-Propylbenzene	0.13	ND	2.0	
2-Chlorotoluene	0.16	ND	5.0	
1,3,5-Trimethylbenzene	0.15	ND	2.0	
4-Chlorotoluene	0.16	ND	5.0	
tert-Butylbenzene	0.18	ND	5.0	
1,2,4-Trimethylbenzene	0.13	ND	2.0	
sec-Butylbenzene	0.17	ND	5.0	
1,3-Dichlorobenzene	0.11	ND	1.0	
p-Isopropyltoluene	0.10	ND	2.0	
1,4-Dichlorobenzene	0.11	ND	1.0	
n-Butylbenzene	0.33	ND	5.0	
1,2-Dichlorobenzene	0.14	ND	1.0	
1,2-Dibromo-3-chloropropane	0.81	ND	5.0	
1,2,4-Trichlorobenzene	0.36	ND	5.0	
Hexachlorobutadiene	0.60	ND	1.0	
Naphthalene	0.29	ND	2.0	
1,2,3-Trichlorobenzene	0.37	ND	5.0	

Comments:

ORGANIC ANALYSES DATA SHEET 6
BLANKS

Analytical Method: SW8260 AAB #: D0602054

Lab Name: Columbia Analytical Services/Redding

Concentration Units (ug/L or mg/kg): UG/L Method Blank ID: M1214W01

Lab Sample ID: M1214W01

Initial Calibration ID: 12/05/06MSM

Analyte	MDL	Method Blank	RL	Q

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	101	82-124	
Dibromofluoromethane - SS	99	84-127	
Toluene-d8 - SS	100	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260

AAB #: D0602054

Lab Name: Columbia Analytical Services/Redding

LCS ID: M1214W01LCS Concentration Units (ug/L or mg/kg): UG/L

Date Extracted: _____ Date Analyzed: 12/14/06

Initial Calibration ID: 12/05/06MSM

Analyte	Expected	Found	%R	Control Limits	Q
Dichlorodifluoromethane	10.0	12.4	124	27-158	
Chloromethane	10.0	11.0	110	51-137	
Vinyl chloride	10.0	10.9	109	57-137	
Bromomethane	10.0	11.4	114	44-156	
Chloroethane	10.0	11.0	110	60-140	
Trichlorofluoromethane	10.0	12.2	122	54-146	
1,1-Dichloroethene	10.0	10.9	109	70-130	
Acetone	50.0	48.4	97	55-137	
Carbon disulfide	10.0	9.9	99	50-127	
Methylene chloride	10.0	9.9	99	73-121	
Iodomethane	10.0	9.4	94	50-150	E4
trans-1,2-Dichloroethene	10.0	9.8	98	74-124	
Tert-butylmethylether	10.0	9.7	97	75-119	
1,1-Dichloroethane	10.0	9.7	97	78-121	
Vinyl acetate	10.0	10.8	108	52-129	E4
2,2-Dichloropropane	10.0	10.1	101	61-137	
cis-1,2-Dichloroethene	10.0	10.2	102	80-118	
2-Butanone	50.0	48.4	97	76-122	
Bromochloromethane	10.0	10.0	100	82-118	
Chloroform	10.0	9.9	99	73-125	
1,1,1-Trichloroethane	10.0	9.7	97	76-124	
1,1-Dichloropropene	10.0	10.0	100	80-119	
Carbon tetrachloride	10.0	10.1	101	68-135	
Benzene	10.0	10.0	100	81-119	
1,2-Dichloroethane	10.0	9.5	95	75-122	
Trichloroethene	10.0	9.9	99	79-118	
1,2-Dichloropropane	10.0	9.6	96	82-115	
Dibromomethane	10.0	9.8	98	84-116	
Bromodichloromethane	10.0	10.0	100	81-122	
cis-1,3-Dichloropropene	10.0	10.2	102	78-118	
4-methyl-2-pentanone	50.0	49.9	100	81-127	
Toluene	10.0	9.8	98	83-116	
trans-1,3-Dichloropropene	10.0	10.0	100	73-122	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260

AAB #: D0602054

Lab Name: Columbia Analytical Services/Redding

LCS ID: M1214W01LCS

Concentration Units (ug/L or mg/kg): UG/L

Date Extracted: _____

Date Analyzed: 12/14/06

Initial Calibration ID: 12/05/06MSM

Analyte	Expected	Found	%R	Control Limits	Q
1,1,2-Trichloroethane	10.0	9.8	98	83-120	
Tetrachloroethene	10.0	10.4	104	82-118	
1,3-Dichloropropane	10.0	9.9	99	82-119	
2-Hexanone	50.0	48.6	97	81-130	
Dibromochloromethane	10.0	10.2	102	79-124	
1,2-Dibromoethane	10.0	10.1	101	82-116	
Chlorobenzene	10.0	10.0	100	86-114	
1,1,1,2-Tetrachloroethane	10.0	9.8	98	79-122	
Ethylbenzene	10.0	10.4	104	86-116	
Xylene (total)	30.0	30.5	102	85-117	
Styrene	10.0	10.2	102	84-119	
Bromoform	10.0	9.5	95	71-133	
Isopropylbenzene	10.0	10.6	106	77-117	
1,1,2,2-Tetrachloroethane	10.0	9.6	96	80-117	
Bromobenzene	10.0	10.1	101	84-120	
1,2,3-Trichloropropane	10.0	9.9	99	81-122	E4
n-Propylbenzene	10.0	10.3	103	87-117	
2-Chlorotoluene	10.0	10.1	101	87-119	
1,3,5-Trimethylbenzene	10.0	10.2	102	83-120	
4-Chlorotoluene	10.0	10.1	101	86-118	
tert-Butylbenzene	10.0	8.9	89	82-122	
1,2,4-Trimethylbenzene	10.0	10.3	103	86-121	
sec-Butylbenzene	10.0	10.8	108	84-128	
1,3-Dichlorobenzene	10.0	10.0	100	85-119	
p-Isopropyltoluene	10.0	10.3	103	84-121	
1,4-Dichlorobenzene	10.0	9.9	99	84-118	
n-Butylbenzene	10.0	9.9	99	81-123	
1,2-Dichlorobenzene	10.0	10.2	102	85-117	
1,2-Dibromo-3-chloropropane	40.0	38.0	95	67-121	
1,2,4-Trichlorobenzene	10.0	9.9	99	69-128	
Hexachlorobutadiene	10.0	10.3	103	71-135	
Naphthalene	10.0	10.2	102	60-131	
1,2,3-Trichlorobenzene	10.0	9.8	98	69-130	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260

AAB #: D0602054

Lab Name: Columbia Analytical Services/Redding

LCS ID: M1214W01LCS Concentration Units (ug/L or mg/kg): UG/L

Date Extracted: Date Analyzed: 12/14/06

Initial Calibration ID: 12/05/06MSM

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	101	82-124	
Dibromofluoromethane - SS	101	84-127	
Toluene-d8 - SS	101	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260

AAB #: D0602054

Lab Name: Columbia Analytical Services/Redding

LCS ID: M1214W01LCSD

Concentration Units (ug/L or mg/kg): UG/L

Date Extracted: _____

Date Analyzed: 12/14/06

Initial Calibration ID: 12/05/06MSM

Analyte	Expected	Found	%R	Control Limits	Q
Dichlorodifluoromethane	10.0	11.5	115	27-158	
Chloromethane	10.0	10.1	101	51-137	
Vinyl chloride	10.0	10.5	105	57-137	
Bromomethane	10.0	10.9	109	44-156	
Chloroethane	10.0	10.9	109	60-140	
Trichlorofluoromethane	10.0	11.5	115	54-146	
1,1-Dichloroethene	10.0	10.7	107	70-130	
Acetone	50.0	46.5	93	55-137	
Carbon disulfide	10.0	9.5	95	50-127	
Methylene chloride	10.0	9.9	99	73-121	
Iodomethane	10.0	9.4	94	50-150	E4
trans-1,2-Dichloroethene	10.0	9.6	96	74-124	
Tert-butylmethylether	10.0	9.7	97	75-119	
1,1-Dichloroethane	10.0	9.7	97	78-121	
Vinyl acetate	10.0	10.6	106	52-129	E4
2,2-Dichloropropane	10.0	9.8	98	61-137	
cis-1,2-Dichloroethene	10.0	10.0	100	80-118	
2-Butanone	50.0	48.4	97	76-122	
Bromochloromethane	10.0	9.7	97	82-118	
Chloroform	10.0	9.7	97	73-125	
1,1,1-Trichloroethane	10.0	9.5	95	76-124	
1,1-Dichloropropene	10.0	9.9	99	80-119	
Carbon tetrachloride	10.0	9.8	98	68-135	
Benzene	10.0	10.1	101	81-119	
1,2-Dichloroethane	10.0	9.6	96	75-122	
Trichloroethene	10.0	9.7	97	79-118	
1,2-Dichloropropane	10.0	9.6	96	82-115	
Dibromomethane	10.0	9.8	98	84-116	
Bromodichloromethane	10.0	9.8	98	81-122	
cis-1,3-Dichloropropene	10.0	9.9	99	78-118	
4-methyl-2-pentanone	50.0	49.7	99	81-127	
Toluene	10.0	9.8	98	83-116	
trans-1,3-Dichloropropene	10.0	9.8	98	73-122	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260

AAB #: D0602054

Lab Name: Columbia Analytical Services/Redding

LCS ID: M1214W01LCSD

Concentration Units (ug/L or mg/kg): UG/L

Date Extracted: _____ Date Analyzed: 12/14/06

Initial Calibration ID: 12/05/06MSM

Analyte	Expected	Found	%R	Control Limits	Q
1,1,2-Trichloroethane	10.0	9.7	97	83-120	
Tetrachloroethene	10.0	10.0	100	82-118	
1,3-Dichloropropane	10.0	9.8	98	82-119	
2-Hexanone	50.0	47.9	96	81-130	
Dibromochloromethane	10.0	10.0	100	79-124	
1,2-Dibromoethane	10.0	9.7	97	82-116	
Chlorobenzene	10.0	9.9	99	86-114	
1,1,1,2-Tetrachloroethane	10.0	9.6	96	79-122	
Ethylbenzene	10.0	10.0	100	86-116	
Xylene (total)	30.0	30.0	100	85-117	
Styrene	10.0	10.1	101	84-119	
Bromoform	10.0	9.2	92	71-133	
Isopropylbenzene	10.0	10.3	103	77-117	
1,1,2,2-Tetrachloroethane	10.0	10.2	102	80-117	
Bromobenzene	10.0	10.2	102	84-120	
1,2,3-Trichloropropane	10.0	9.9	99	81-122	E4
n-Propylbenzene	10.0	10.2	102	87-117	
2-Chlorotoluene	10.0	10.2	102	87-119	
1,3,5-Trimethylbenzene	10.0	9.9	99	83-120	
4-Chlorotoluene	10.0	10.1	101	86-118	
tert-Butylbenzene	10.0	8.9	89	82-122	
1,2,4-Trimethylbenzene	10.0	10.3	103	86-121	
sec-Butylbenzene	10.0	10.7	107	84-128	
1,3-Dichlorobenzene	10.0	10.0	100	85-119	
p-Isopropyltoluene	10.0	10.2	102	84-121	
1,4-Dichlorobenzene	10.0	10.0	100	84-118	
n-Butylbenzene	10.0	9.7	97	81-123	
1,2-Dichlorobenzene	10.0	10.1	101	85-117	
1,2-Dibromo-3-chloropropane	40.0	37.6	94	67-121	
1,2,4-Trichlorobenzene	10.0	9.9	99	69-128	
Hexachlorobutadiene	10.0	10.0	100	71-135	
Naphthalene	10.0	10.3	103	60-131	
1,2,3-Trichlorobenzene	10.0	10.1	101	69-130	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260 AAB #: D0602054

Lab Name: Columbia Analytical Services/Redding

LCS ID: M1214W01LCSD Concentration Units (ug/L or mg/kg): UG/L

Date Extracted: _____ Date Analyzed: 12/14/06

Initial Calibration ID: 12/05/06MSM

Analyte	Expected	Found	%R	Control Limits	Q

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	101	82-124	
Dibromofluoromethane - SS	100	84-127	
Toluene-d8 - SS	99	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE/LABORATORY CONTROL SAMPLE DUPLICATE

Analytical Method: SW8260 AAB #: D0602054

Lab Name: Columbia Analytical Services/Redding

Concentration Units (ug/L or mg/kg): UG/L %Solids:

Parent Field Sample ID: M1214W01 BS ID: M1214W01LCS BSD ID: M1214W01LCSD

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicat Spike Sample Result	%R	%RPD	Control Limits %RPD	Control Limits %R	Q
Dichlorodifluoromethane		10.0	12.4	124	11.5	115	8	20	27-158	
Chloromethane		10.0	11.0	110	10.1	101	8	20	51-137	
Vinyl chloride		10.0	10.9	109	10.5	105	4	20	57-137	
Bromomethane		10.0	11.4	114	10.9	109	4	20	44-156	
Chloroethane		10.0	11.0	110	10.9	109	1	20	60-140	
Trichlorofluoromethane		10.0	12.2	122	11.5	115	6	20	54-146	
1,1-Dichloroethene		10.0	10.9	109	10.7	107	2	20	70-130	
Acetone		50.0	48.4	97	46.5	93	4	20	55-137	
Carbon disulfide		10.0	9.9	99	9.5	95	4	20	50-127	
Methylene chloride		10.0	9.9	99	9.9	99	0	20	73-121	
Iodomethane		10.0	9.4	94	9.4	94	0	20	50-150	E4
trans-1,2-Dichloroethene		10.0	9.8	98	9.6	96	2	20	74-124	
Tert-butylmethylether		10.0	9.7	97	9.7	97	0	20	75-119	
1,1-Dichloroethane		10.0	9.7	97	9.7	97	0	20	78-121	
Vinyl acetate		10.0	10.8	108	10.6	106	2	20	52-129	E4
2,2-Dichloropropane		10.0	10.1	101	9.8	98	3	20	61-137	
cis-1,2-Dichloroethene		10.0	10.2	102	10.0	100	2	20	80-118	
2-Butanone		50.0	48.4	97	48.4	97	0	20	76-122	
Bromochloromethane		10.0	10.0	100	9.7	97	3	20	82-118	
Chloroform		10.0	9.9	99	9.7	97	2	20	73-125	
1,1,1-Trichloroethane		10.0	9.7	97	9.5	95	2	20	76-124	
1,1-Dichloropropene		10.0	10.0	100	9.9	99	1	20	80-119	
Carbon tetrachloride		10.0	10.1	101	9.8	98	3	20	68-135	
Benzene		10.0	10.0	100	10.1	101	1	20	81-119	
1,2-Dichloroethane		10.0	9.5	95	9.6	96	1	20	75-122	
Trichloroethene		10.0	9.9	99	9.7	97	2	20	79-118	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE/LABORATORY CONTROL SAMPLE DUPLICATE

Analytical Method: SW8260 AAB #: D0602054

Lab Name: Columbia Analytical Services/Redding

Concentration Units (ug/L or mg/kg): UG/L %Solids:

Parent Field Sample ID: M1214W01 BS ID: M1214W01LCS BSD ID: M1214W01LCSD

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicate Spike Sample Result	%R	%RPD	Control Limits %RPD	Control Limits %R	Q
1,2-Dichloropropane		10.0	9.6	96	9.6	96	0	20	82-115	
Dibromomethane		10.0	9.8	98	9.8	98	0	20	84-116	
Bromodichloromethane		10.0	10.0	100	9.8	98	2	20	81-122	
cis-1,3-Dichloropropene		10.0	10.2	102	9.9	99	3	20	78-118	
4-methyl-2-pentanone		50.0	49.9	100	49.7	99	0	20	81-127	
Toluene		10.0	9.8	98	9.8	98	0	20	83-116	
trans-1,3-Dichloropropene		10.0	10.0	100	9.8	98	2	20	73-122	
1,1,2-Trichloroethane		10.0	9.8	98	9.7	97	1	20	83-120	
Tetrachloroethene		10.0	10.4	104	10.0	100	4	20	82-118	
1,3-Dichloropropane		10.0	9.9	99	9.8	98	1	20	82-119	
2-Hexanone		50.0	48.6	97	47.9	96	1	20	81-130	
Dibromochloromethane		10.0	10.2	102	10.0	100	2	20	79-124	
1,2-Dibromoethane		10.0	10.1	101	9.7	97	4	20	82-116	
Chlorobenzene		10.0	10.0	100	9.9	99	1	20	86-114	
1,1,1,2-Tetrachloroethane		10.0	9.8	98	9.6	96	2	20	79-122	
Ethylbenzene		10.0	10.4	104	10.0	100	4	20	86-116	
Xylene (total)		30.0	30.5	102	30.0	100	2	20	85-117	
Styrene		10.0	10.2	102	10.1	101	1	20	84-119	
Bromoform		10.0	9.5	95	9.2	92	3	20	71-133	
Isopropylbenzene		10.0	10.6	106	10.3	103	3	20	77-117	
1,1,2,2-Tetrachloroethane		10.0	9.6	96	10.2	102	6	20	80-117	
Bromobenzene		10.0	10.1	101	10.2	102	1	20	84-120	
1,2,3-Trichloropropane		10.0	9.9	99	9.9	99	0	20	81-122	E4
n-Propylbenzene		10.0	10.3	103	10.2	102	1	20	87-117	
2-Chlorotoluene		10.0	10.1	101	10.2	102	1	20	87-119	
1,3,5-Trimethylbenzene		10.0	10.2	102	9.9	99	3	20	83-120	

Comments:

Parent Field Sample ID: M1214W01 BS ID: M1214W01LCS BSD ID: M1214W01LCSD

ORGANIC ANALYSES DATA SHEET 10
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: SW8260 AAB #: D0602054

Lab Name: Columbia Analytical Services/Redding

Instrument ID #: MSM DB-624

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Laboratory File ID	Date Analysis Started	Time Analysis Started	Date Analysis Completed	Time Analysis Completed
VSTD00.5	M065370	12/05/06	1545	12/05/06	1605
VSTD001	M065371	12/05/06	1606	12/05/06	1626
VSTD005	M065372	12/05/06	1628	12/05/06	1648
VSTD010	M065373	12/05/06	1649	12/05/06	1709
VSTD020	M065374	12/05/06	1711	12/05/06	1731
VSTD050	M065375	12/05/06	1732	12/05/06	1752
VSTD100	M065376	12/05/06	1754	12/05/06	1814
VSTD150	M065377	12/05/06	1815	12/05/06	1835
QCALTSTD4	M065380	12/05/06	1920	12/05/06	1940
VSTD10M	M065525	12/14/06	1049	12/14/06	1109
M1214W01LCS	M065526A	12/14/06	1111	12/14/06	1131
M1214W01LCSD	M065527A	12/14/06	1132	12/14/06	1152
M1214W01	M065530A	12/14/06	1238	12/14/06	1258
TB-121206	M065536	12/14/06	1447	12/14/06	1507
ASE-64A-6D2	M065537	12/14/06	1508	12/14/06	1528
ASE-63A-6D2	M065538	12/14/06	1530	12/14/06	1550
ASE-39A-6D2	M065539	12/14/06	1551	12/14/06	1611
ASE-38A-6D2	M065540	12/14/06	1613	12/14/06	1633
PL-101A-6D2	M065541	12/14/06	1634	12/14/06	1654
PL-508-6D2	M065542	12/14/06	1655	12/14/06	1715
PL-506-6D2	M065543	12/14/06	1717	12/14/06	1737
PL-506-6D2DL	M065544	12/14/06	1738	12/14/06	1758
ASE-57A-6D2	M065545	12/14/06	1800	12/14/06	1820
ASE-57A-6D2DL	M065546	12/14/06	1821	12/14/06	1841
ASE-56A-6D2	M065547	12/14/06	1847	12/14/06	1907
ASE-56A-6D2DL	M065548	12/14/06	1908	12/14/06	1928

Comments:

ORGANIC ANALYSES DATA SHEET 10
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: SW8260

AAB #: D0602054

Lab Name: Columbia Analytical Services/Redding

Instrument ID #: MSM DB-624

[illegible]

Comments:

ORGANIC ANALYSES DATA SHEET APPENDIX A
SURROGATE RESULTS

Analytical Method: SW8260

AAB #: D0602054

Lab Name: Columbia Analytical Services/Redding

Matrix: Water

Field/QC Sample ID	S1	S2	S3	S4	S5	S6	S7	S8	Q
M1214W01LCS	101	101	101						
M1214W01LCSD	101	100	99						
M1214W01	101	99	100						
TB-121206	102	100	100						
ASE-64A-6D2	102	100	97						
ASE-63A-6D2	102	97	98						
ASE-39A-6D2	102	98	100						
ASE-38A-6D2	103	97	99						
PL-101A-6D2	101	98	99						
PL-508-6D2	101	97	98						
PL-506-6D2	101	98	98						
ASE-57A-6D2	102	93	92						
ASE-57A-6D2DL	98	96	98						
ASE-56A-6D2	91	87	90						
ASE-56A-6D2DL	98	95	97						
ASE-63A-6D2DL	101	98	99						
ASE-39A-6D2DL	99	101	100						
ASE-38A-6D2DL	103	97	101						
PL-101A-6D2DL	105	98	102						
PL-508-6D2DL	102	98	101						
ASE-37A-6D2	100	98	97						

S1: 4-Bromofluorobenzene - SS 82-124
 S2: Dibromofluoromethane - SS 84-127
 S3: Toluene-d8 - SS 80-117

Comments:

December 29, 2006

Service Request No: D0602066

Shane Lowe
CH2M Hill
2625 S. Plaza Drive
Suite 300
Tempe, AZ 85282

RE: Sky Harbor/2959482

Dear Shane:

Enclosed are the results of the sample(s) submitted to our laboratory on December 14, 2006. For your reference, these analyses have been assigned our service request number D0602066.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAP standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please call if you have any questions. My extension is 105. You may also contact me via email at MFesler@redding.caslab.com.

Respectfully submitted,

Columbia Analytical Services, Inc.



Mark Fesler
Project Chemist

CC: Terri Krauss

Page 1 of 84

Current CAS Redding Accreditation Programs

Federal and National Programs

- U.S Air Force, Air Force Center for Environmental Excellence (AFCEE)
Approved laboratory for Wastewater and Hazardous Waste
- U.S. Army Corps of Engineers – MRD, HTRW Mandatory Center of Expertise
Validated for Wastewater and Hazardous Waste
- Department of the Navy, Naval Facilities Engineering Service Center (NFESC)
Approved laboratory for Wastewater and Hazardous Waste

State and Local Programs

- State of Alaska, Department of Environmental Conservation
Approved Laboratory for Contaminated Sites
Lab ID UST-001
- State of Arizona, Department of Health Services, Office of Laboratory Licensure
Approved Laboratory for Drinking Water, Wastewater, and Hazardous Waste
Lab ID AZ0604
- State of California, Department of Health Services, National Environmental Laboratory Accreditation Program (NELAP)
Approved Laboratory for Drinking Water, Wastewater and Hazardous Waste
Lab ID 01105CA
 - Los Angeles County Sanitation District
Approved Laboratory for Wastewater
Lab ID 10243
- State of California, Department of Health Services, Environmental Laboratory Accreditation Program (ELAP)
Approved Laboratory for Microbiology of Drinking Water and Wastewater
Lab ID 2635
- State of Florida, Department of Health, Bureau of Laboratories (NELAP)
Approved Environmental Testing Laboratory for Wastewater and Hazardous Waste
Lab ID E87203
- State of Kansas, Department of Health and Environment (NELAP)
Approved Laboratory for Hazardous Waste
Lab ID E-10323
- State of Massachusetts, Department of Environmental Protection
Approved laboratory for Drinking Water and Wastewater
Lab ID M-CA025
- State of Oklahoma, Department of Environmental Quality
Approved Laboratory for General Water Quality/Sludge Testing
Lab ID 9952
- State of Oregon, Environmental Laboratory Accreditation Program (ORELAP)
Approved Laboratory for Drinking Water, Wastewater, and Hazardous Waste
Lab ID CA200004
- State of Utah, Department of Health, Bureau of Laboratory Improvement (NELAP)
Approved Laboratory for Wastewater and Hazardous Waste
Lab ID QUAL1
- State of Washington, Department of Ecology
Approved Laboratory for Wastewater and Hazardous Waste
Lab ID C1234
- State of Wisconsin, Department of Natural Resources
Approved Laboratory for Wastewater and Hazardous Waste
Lab ID 999767340

Arizona Data Qualifiers

Revision 2.0, 11/26/2003

Developed by the Sub-committee of the
Arizona Environmental Laboratory Advisory Committee

Microbiology:

- A1 = Too numerous to count.
- A2 = Sample incubation period exceeded method requirement.
- A3 = Sample incubation period was shorter than method requirement.
- A4 = Target organism detected in associated method blank.
- A5 = Incubator/water bath temperature was outside method requirements.
- A6 = Target organism not detected in associated positive control.
- A7 = Micro sample received without adequate headspace.

Method/calibration blank:

- B1 = Target analyte detected in method blank at or above the method reporting limit.
- B2 = Non-target analyte detected in method blank and sample, producing interference.
- B3 = Target analyte detected in calibration blank at or above the method reporting limit.
- B4 = Target analyte detected in blank at/above method acceptance criteria.
- B5 = Target analyte detected in method blank at or above the method reporting limit, but below trigger level or MCL.
- B6 = Target analyte detected in calibration blank at or above the method reporting limit, but below trigger level or MCL.
- B7 = Target analyte detected in method blank at or above method reporting limit. Concentration found in the sample was 10 times above the concentration found in the method blank.

Confirmation:

- C1 = Confirmatory analysis not performed as required by the method.
- C3 = Qualitative confirmation performed.
- C4 = Confirmatory analysis was past holding time.
- C5 = Confirmatory analysis was past holding time. Original result not confirmed.
- C6 = Sample RPD between the primary and confirmatory analysis exceeded 40%. Per EPA Method 8000B, the higher value was reported as there was no obvious chromatographic interference.
- C7 = Sample RPD between the primary and confirmatory analysis exceeded 40%. Per EPA Method 8000B, the lower value was reported due to apparent chromatographic interference.

Dilution:

- D1 = Sample required dilution due to matrix.
- D2 = Sample required dilution due to high concentration of target analyte.
- D3 = Sample dilution required due to insufficient sample.
- D4 = Minimum reporting level (MRL) adjusted to reflect sample amount received and analyzed.

Estimated concentration:

- E1 = Concentration estimated. Analyte exceeded calibration range. Reanalysis not possible due to insufficient sample.
- E2 = Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to sample matrix.
- E3 = Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to holding time requirements.

- E4 = Concentration estimated. Analyte was detected below laboratory minimum reporting level (MRL).
- E5 = Concentration estimated. Analyte was detected below laboratory minimum reporting level (MRL), but not confirmed by alternate analysis.
- E6 = Concentration estimated. Internal standard recoveries did not meet method acceptance criteria.
- E7 = Concentration estimated. Internal standard recoveries did not meet laboratory acceptance criteria.
- E8 = Analyte reported to MDL per project specification. Target analyte was not detected in the sample.

Hold time:

- H1 = Sample analysis performed past holding time.
- H2 = Initial analysis within holding time. Reanalysis for the required dilution was past holding time.
- H3 = Sample was received and analyzed past holding time.
- H4 = Sample was extracted past required extraction holding time, but analyzed within analysis holding time.

BOD:

- K1 = The sample dilutions set-up for the BOD analysis did not meet the oxygen depletion criteria of at least 2 mg/L. Any reported result is an estimated value.
- K2 = The sample dilutions set up for the BOD analysis did not meet the criteria of a residual dissolved oxygen of at least 1 mg/L. Any reported result is an estimated value.
- K4 = The seed depletion was outside the method acceptance limits. The reported result is an estimated value.
- K5 = The dilution water D.O. depletion was > 0.2 mg/L.
- K6 = Glucose/glutamic acid BOD was below method acceptance criteria.
- K7 = A discrepancy between the BOD and COD results has been verified by reanalysis of the sample for COD.
- K8 = Glucose/glutamic acid BOD was above method acceptance levels.

Laboratory fortified blank/blank spike:

- L1 = The associated blank spike recovery was above laboratory acceptance limits.
- L2 = The associated blank spike recovery was below laboratory acceptance limits.
- L3 = The associated blank spike recovery was above method acceptance limits.
- L4 = The associated blank spike recovery was below method acceptance limits.

Matrix spike:

- M1 = Matrix spike recovery was high, the method control sample recovery was acceptable.
- M2 = Matrix spike recovery was low, the method control sample recovery was acceptable.
- M3 = The accuracy of the spike recovery value is reduced since the analyte concentration in the sample is disproportionate to spike level. The method control sample recovery was acceptable.
- M4 = The analysis of the spiked sample required a dilution such that the spike concentration was diluted below the reporting limit. The method control sample recovery was acceptable.
- M5 = Analyte concentration was determined by the method of standard addition (MSA).

Arizona Data Qualifiers
Revision 2.0, 11/26/2003

M6 = Matrix spike recovery was high. Data reported per ADEQ policy 0154.000.

M7 = Matrix spike recovery was low. Data reported per ADEQ policy 0154.000.

General:

N1 = See case narrative.

N2 = See corrective action report.

N3 = The analysis meets all method requirements. See case narrative.

Sample quality:

Q1 = Sample integrity was not maintained. See case narrative.

Q2 = Sample received with headspace.

Q3 = Sample received with improper chemical preservation.

Q4 = Sample received and analyzed without chemical preservation.

Q5 = Sample received with inadequate chemical preservation, but preserved by the laboratory.

Q6 = Sample was received above recommended temperature.

Q7 = Sample inadequately dechlorinated.

Q8 = Insufficient sample received to meet method QC requirements. Batch QC requirements satisfies ADEQ policies 0154 and 0155.

Q9 = Insufficient sample received to meet method QC requirements.

Q10 = Sample received in inappropriate sample container.

Q11 = Sample is heterogeneous. Sample homogeneity could not be readily achieved using routine laboratory practices.

Duplicates:

R1 = RPD exceeded the method control limit. See case narrative.

R2 = RPD exceeded the laboratory control limit. See case narrative.

R4 = MS/MSD RPD exceeded the method control limit. Recovery met acceptance criteria.

R5 = MS/MSD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.

R6 = LFB/LFBD RPD exceeded the method control limit. Recovery met acceptance criteria.

R7 = LFB/LFBD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.

R8 = Sample RPD exceeded the method control limit.

R9 = Sample RPD exceeded the laboratory control limit.

R10 = Sample RPD between the primary and confirmatory analysis exceeded 40%. Per EPA Method 8000B, the lower value was reported due to apparent chromatographic problems.

R11 = The RPD calculation for MS/MSD does not provide useful information due to the varying sample weights when Encore samplers/methanol field preserved samples are used.

Surrogate:

S1 = Surrogate recovery was above laboratory acceptance limits, but within method acceptance limits.

S3 = Surrogate recovery was above laboratory acceptance limits, but within method acceptance limits. No target analytes were detected in the sample.

S4 = Surrogate recovery was above laboratory and method acceptance limits. No target analytes were detected in the sample.

S5 = Surrogate recovery was below laboratory acceptance limits, but within method acceptance limits.

S6 = Surrogate recovery was below laboratory and method acceptance limits. Reextraction and/or reanalysis confirms low recovery caused by matrix effect.

Arizona Data Qualifiers
Revision 2.0, 11/26/2003

- S7 = Surrogate recovery was below laboratory and method acceptance limits. Unable to confirm matrix effect.
- S8 = The analysis of the sample required a dilution such that the surrogate recovery calculation does not provide any useful information. The method control sample recovery was acceptable.
- S10 = Surrogate recovery was above laboratory and method acceptance limits. See Case narrative.
- S11 = Surrogate recovery was high. Data reported per ADEQ policy 0154.000.
- S12 = Surrogate recovery was low. Data reported per ADEQ policy 0154.000.

Method/analyte discrepancies:

- T1 = Method approved by EPA, but not yet licensed by ADHS.
- T2 = Cited ADHS licensed method does not contain this analyte as part of method compound list.
- T3 = Method not promulgated either by EPA or ADHS.
- T4 = Tentatively identified compound. Concentration is estimated and based on the closest internal standard.

Calibration verification:

- V1 = CCV recovery was above method acceptance limits. This target analyte was not detected in the sample.
- V2 = CCV recovery was above method acceptance limits. This target analyte was detected in the sample. The sample could not be reanalyzed due to insufficient sample.
- V3 = CCV recovery was above method acceptance limits. This target analyte was detected in the sample, but the sample was not reanalyzed. See case narrative.
- V4 = CCV recovery was below method acceptance limits. The sample could not be reanalyzed due to insufficient sample.
- V5 = CCV recovery after a group of samples was above acceptance limits. This target analyte was not detected in the sample. Acceptable per EPA Method 8000B.
- V6 = Data reported from one-point calibration criteria per ADEQ policy 0155.000.
- V7 = Calibration verification recovery was above the method control limit for this analyte, however the average % difference or % drift for all the analytes met method criteria.
- V8 = Calibration verification recovery was below the method control limit for this analyte, however the average % difference or % drift for all the analytes met method criteria.

Calibration:

- W1 = The % RSD for this compound was above 20%. The average % RSD for all compounds in the calibration met the 20% criteria as specified in EPA method 8000B.
- W2 = The % RSD for this compound was above 15%. The average % RSD for all compounds in the calibration met the 15% criteria as specified in EPA method 8260B/8270C.

Client:
Project: Sky Harbor/2959482

Service Request: D0602066

SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
D0602066-001	TB-121406	12/13/06	06:15
D0602066-002	ASE-116A-6D2	12/13/06	08:11
D0602066-003	ASE-111A-6D2	12/13/06	06:34
D0602066-004	ASE-115A-6D2	12/13/06	07:17

CASE NARRATIVE

COLUMBIA ANALYTICAL SERVICES, INC.

Client: Honeywell International, Incorporated
Project: Sky Harbor
Sample Matrix: Aqueous

Service Request No.: D0602066
Date Received: 12/14/06

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier II data deliverables.

Sample Receipt

4 Aqueous samples were received for analysis at Columbia Analytical Services on 12/14/06.

No discrepancies were noted upon initial sample inspection. The samples were received in good condition and consistent with the accompanying chain of custody form. The samples were stored in a refrigerator at 4 degrees Celsius upon receipt at the laboratory.

TPH-Diesel/Motor Oil by EPA Method 8015B

Spike Recovery Exceptions:

The matrix spike recovery of TPH-Diesel for sample ASE-115A-6D2MS was outside control criteria. Recovery in the Duplicate Matrix Spike ASE-115A-6D2DMS and Laboratory Control Sample (LCS) was acceptable, which indicates the analytical batch was in control. The matrix spike outlier suggests a potential low bias in this matrix. No further corrective action was taken.

Volatile Organic Compounds by EPA Method 8260B

Elevated Method Reporting Limits:

Samples ASE-116A-6D2 and ASE-115A-6D2 required a dilution due to the presence of elevated levels of Tert-butylmethylether and Benzene. The reporting limits were adjusted to reflect the dilution.

Spike Recovery Exceptions:

The matrix spike and matrix spike duplicate yielded several percent recoveries and one %RPD's outside control limits. No further corrective action was taken.

Polynuclear Aromatic Hydrocarbons by EPA Method 8310

Elevated Method Reporting Limits:

Samples ASE-116A-6D2, ASE-115A-6D2, ASE-115A-6D2MS, and ASE-115A-6D2MSD required dilutions due to the presence of elevated levels of target analytes. The reporting limits are adjusted to reflect the dilutions.

Other:

The presence of Acenaphthylene was confirmed in sample ASE-115A-6D2 using GC/MS

Approved by: _____



Date: _____

12/29/06

CHAIN OF CUSTODY DOCUMENTATION

COOLER RECEIPT FORM

Project/Client: TEI / Honeywell Batch No.: [REDACTED]
 1. Cooler(s)/Sample(s) received on: 12/14/06 Shipped via: UPS
 Shipping Bill # (s): VARIOUS # of Coolers/Packages 5
 2. Radiological Screening by: TR ☒ Acceptable ☐ Rejected
 3. Custody seals on outside of cooler: YES ☒ NO ☐ N/A
 If yes, where? Front _____ Rear _____ Lt Side _____ Rt Side _____
 Seals intact: YES ☒ NO ☐

COOLER/SAMPLE PROCESSING

4. Sample Processing/Tagging by: Sammy Reed
 5. Cooler(s)/Sample(s) Temp's: 4°C 3°C 2°C 4°C 2°C
 (or)
 Temp. Blank (if included): _____
 6. Type of packing material (circle): ☒ Ice ☐ Blue Ice ☒ Bubble Wrap ☐ Bubble Bags ☒ Zip Locks ☒ Webbing
 Other: _____
 7. Custody papers properly filled out (ink, signed, dated, released, etc.)? ☒ YES ☐ NO
 8. Containers arrived in good condition (not broken, leaking, etc.)? ☒ YES ☐ NO
 9. Samples received with adequate holding time remaining to conduct analysis? ☒ YES ☐ NO
 10. Container labels complete (i.e. analysis, preservation, date/time, etc.)? ☒ YES ☐ NO
 11. Container labels and tags agree with custody papers? ☒ YES ☐ NO
 12. Correct types of containers used for the tests indicated? ☒ YES ☐ NO
 a.) Adequate sample received? If not, note on Exception Report. ☒ YES ☐ NO
 13. Containers supplied by: ☒ CAS ☐ Other
 14. Preserved containers received with the appropriate preservative? ☒ YES ☐ NO ☐ N/A
 pH: VOAS @ 52 per DOCS (or) See pH log.
 15. VOA vials free of air bubbles? ☒ YES ☐ NO ☐ N/A
 16. Trip Blank preparation date: 12/1/06 ☒ CAS ☐ Other ☐ N/A
 17. Volatile Soil samples: Encores or Plugs in Vials
 Freezer or GC/MS Date: _____ Time: ☒ N/A

See Exception Report for discrepancies.

TPH – Diesel and Motor Oil

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482

Service Request: D0602066

Cover Page - Organic Analysis Data Package
TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name	Lab Code	Date Collected	Date Received
ASE-116A-6D2	D0602066-002	12/13/2006	12/14/2006
ASE-111A-6D2	D0602066-003	12/13/2006	12/14/2006
ASE-115A-6D2	D0602066-004	12/13/2006	12/14/2006
ASE-115A-6D2MS	DWG0601071-1	12/13/2006	12/14/2006
ASE-115A-6D2DMS	DWG0601071-2	12/13/2006	12/14/2006

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Wida Ang

Name: WIDA ANG

Date: 12/21/06

Title: Organic Manager

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602066
Date Collected: 12/13/2006
Date Received: 12/14/2006

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: ASE-116A-6D2
Lab Code: D0602066-002
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	PQL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
C10 - C22 DRO (TPH-Diesel)	190	J	480	20	1	12/18/06	12/20/06	E4
C22 - C32 HRO (TPH-Motor Oil)	50	J	480	30	1	12/18/06	12/20/06	E4

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Octacosane	84	26-152	12/20/06	
Tricontane	83	40-140	12/20/06	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602066
Date Collected: 12/13/2006
Date Received: 12/14/2006

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: ASE-111A-6D2
Lab Code: D0602066-003
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	PQL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
C10 - C22 DRO (TPH-Diesel)	90	J	480	20	1	12/18/06	12/20/06	E4
C22 - C32 HRO (TPH-Motor Oil)	ND	U	480	30	1	12/18/06	12/20/06	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Octacosane	81	26-152	12/20/06	
Tricontane	81	40-140	12/20/06	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602066
Date Collected: 12/13/2006
Date Received: 12/14/2006

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: ASE-115A-6D2
Lab Code: D0602066-004
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	PQL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
C10 - C22 DRO (TPH-Diesel)	720		480	20	1	12/18/06	12/20/06	
C22 - C32 HRO (TPH-Motor Oil)	ND	U	480	30	1	12/18/06	12/20/06	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Octacosane	79	26-152	12/20/06	
Tricontane	78	40-140	12/20/06	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602066
Date Collected: NA
Date Received: NA

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: Method Blank
Lab Code: DWG0601071-4
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	PQL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
C10 - C22 DRO (TPH-Diesel)	ND	U	500	20	1	12/18/06	12/20/06	
C22 - C32 HRO (TPH-Motor Oil)	ND	U	500	30	1	12/18/06	12/20/06	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Octacosane	76	26-152	12/20/06	
Tricontane	74	40-140	12/20/06	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602066

Surrogate Recovery Summary
TPH-Diesel / Motor Oil Range Organics by SW8015B

Extraction Method: EPA 3510C**Analysis Method:** 8015B**Units:** PERCENT**Level:** Low

<u>Sample Name</u>	<u>Lab Code</u>	<u>Sur1</u>	<u>Sur2</u>
ASE-116A-6D2	D0602066-002	84	83
ASE-111A-6D2	D0602066-003	81	81
ASE-115A-6D2	D0602066-004	79	78
Method Blank	DWG0601071-4	76	74
ASE-115A-6D2MS	DWG0601071-1	72	70
ASE-115A-6D2DMS	DWG0601071-2	82	80
Lab Control Sample	DWG0601071-3	89	86

Surrogate Recovery Control Limits (%)

Sur1 = Octacosane	26-152
Sur2 = Tricontane	40-140

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602066
Date Extracted: 12/18/2006
Date Analyzed: 12/20/2006

Matrix Spike/Duplicate Matrix Spike Summary
TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: ASE-115A-6D2
Lab Code: D0602066-004
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: DWG0601071

Analyte Name	Sample Result	ASE-115A-6D2MS DWG0601071-1 Matrix Spike			ASE-115A-6D2DMS DWG0601071-2 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
C10 - C22 DRO (TPH-Diesel)	720	1790	2380	45 M2	2170	2380	61	61-143	19	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602066
Date Extracted: 12/18/2006
Date Analyzed: 12/20/2006

Lab Control Spike Summary
TPH-Diesel / Motor Oil Range Organics by SW8015B

Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: DWG0601071

Analyte Name	Lab Control Sample DWG0601071-3 Lab Control Spike			%Rec Limits
	Result	Expected	%Rec	
C10 - C22 DRO (TPH-Diesel)	1550	2500	62	61-143
C22 - C32 HRO (TPH-Motor Oil)	1760	2500	70	60-120

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

GC/MS VOLATILE ORGANICS

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602066

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: TB-121406

Lab Sample ID: D0602066-001 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/14/06

Date Extracted:

Date Analyzed: 12/20/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	ND	1		
Vinyl chloride	0.22	1.0	ND	1		
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	ND	1		
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	ND	1		
Acetone	1.0	20	1.9	1		E4
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	ND	1		
1,1-Dichloroethane	0.12	2.0	ND	1		
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	ND	1		
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	ND	1		
1,1,1-Trichloroethane	0.14	2.0	ND	1		
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	ND	1		
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	ND	1		
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	ND	1		
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	ND	1		
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A

Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602066

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: TB-121406

Lab Sample ID: D0602066-001 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/14/06

Date Extracted:

Date Analyzed: 12/20/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	ND	1		
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	ND	1		
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	ND	1		
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	ND	1		
Xylene (total)	0.14	10	ND	1		
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	ND	1		
Isopropylbenzene	0.17	2.0	ND	1		
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	ND	1		
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	ND	1		
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	ND	1		
1,2,4-Trimethylbenzene	0.13	2.0	ND	1		
sec-Butylbenzene	0.17	5.0	ND	1		
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	ND	1		
1,4-Dichlorobenzene	0.11	1.0	ND	1		
n-Butylbenzene	0.33	5.0	ND	1		
1,2-Dichlorobenzene	0.14	1.0	ND	1		
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		
Naphthalene	0.29	2.0	ND	1		
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A

Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2 RESULTS

Analytical Method: SW8260

AAB #: D0602066

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: TB-121406

Lab Sample ID: D0602066-001 Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/14/06

Date Extracted:

Date Analyzed: 12/20/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	102	82-124	
Dibromofluoromethane - SS	102	84-127	
Toluene-d8 - SS	98	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602066

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-116A-6D2

Lab Sample ID: D0602066-002 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/14/06

Date Extracted:

Date Analyzed: 12/18/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	ND	1		
Vinyl chloride	0.22	1.0	ND	1		
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	ND	1		
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	0.62	1		E4
Acetone	1.0	20	1.5	1		E4
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	200	1		
1,1-Dichloroethane	0.12	2.0	0.74	1		E4
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	1.8	1		E4
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	ND	1		
1,1,1-Trichloroethane	0.14	2.0	ND	1		
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	260	1		
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	7.5	1		
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	ND	1		
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	ND	1		
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602066

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-116A-6D2

Lab Sample ID: D0602066-002 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/14/06

Date Extracted:

Date Analyzed: 12/18/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	0.85	1		E4
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	ND	1		
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	ND	1		
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	120	1		
Xylene (total)	0.14	10	5.0	1		E4
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	ND	1		
Isopropylbenzene	0.17	2.0	37	1		
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	32	1		
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	1.2	1		E4
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	0.68	1		E4
1,2,4-Trimethylbenzene	0.13	2.0	7.1	1		
sec-Butylbenzene	0.17	5.0	4.2	1		E4
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	0.54	1		E4
1,4-Dichlorobenzene	0.11	1.0	ND	1		
n-Butylbenzene	0.33	5.0	ND	1		
1,2-Dichlorobenzene	0.14	1.0	ND	1		
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		
Naphthalene	0.29	2.0	84	1		
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602066

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-116A-6D2

Lab Sample ID: D0602066-002 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/14/06

Date Extracted:

Date Analyzed: 12/18/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	101	82-124	
Dibromofluoromethane - SS	99	84-127	
Toluene-d8 - SS	99	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602066

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-116A-6D2DL

Lab Sample ID: D0602066-002DL Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/14/06

Date Extracted:

Date Analyzed: 12/20/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	3.6	50	ND	10		D2
Chloromethane	2.3	50	ND	10		D2
Vinyl chloride	2.2	10	ND	10		D2
Bromomethane	2.7	10	ND	10		D2
Chloroethane	2.0	50	ND	10		D2
Trichlorofluoromethane	1.4	50	ND	10		D2
1,1-Dichloroethene	1.9	20	ND	10		D2
Acetone	10	200	ND	10		D2
Carbon disulfide	1.1	50	ND	10		D2
Methylene chloride	1.5	50	ND	10		D2
Iodomethane	2.0	100	ND	10		D2
trans-1,2-Dichloroethene	1.6	20	ND	10		D2
Tert-butylmethylether	1.7	10	220	10		D2
1,1-Dichloroethane	1.2	20	ND	10		D2
Vinyl acetate	8.4	250	ND	10		D2
2,2-Dichloropropane	3.3	20	ND	10		D2
cis-1,2-Dichloroethene	1.7	20	1.8	10		D2E4
2-Butanone	9.0	100	ND	10		D2
Bromochloromethane	2.5	50	ND	10		D2
Chloroform	1.4	20	ND	10		D2
1,1,1-Trichloroethane	1.4	20	ND	10		D2
1,1-Dichloropropene	1.8	20	ND	10		D2
Carbon tetrachloride	1.8	20	ND	10		D2
Benzene	1.2	10	830	10		D2
1,2-Dichloroethane	1.8	10	ND	10		D2
Trichloroethene	1.0	10	7.1	10		D2E4
1,2-Dichloropropane	1.7	20	ND	10		D2
Dibromomethane	1.8	20	ND	10		D2
Bromodichloromethane	1.7	10	ND	10		D2
cis-1,3-Dichloropropene	1.3	20	ND	10		D2
4-methyl-2-pentanone	8.5	100	ND	10		D2
Toluene	1.4	20	ND	10		D2
trans-1,3-Dichloropropene	1.9	20	ND	10		D2

Surrogate Recoveries are reported in Appendix O-A

Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602066

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-116A-6D2DL

Lab Sample ID: D0602066-002DL Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/14/06

Date Extracted:

Date Analyzed: 12/20/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	2.2	10	ND	10		D2
Tetrachloroethene	2.2	10	ND	10		D2
1,3-Dichloropropane	1.1	20	ND	10		D2
2-Hexanone	5.8	100	ND	10		D2
Dibromochloromethane	1.5	20	ND	10		D2
1,2-Dibromoethane	1.5	20	ND	10		D2
Chlorobenzene	1.5	10	ND	10		D2
1,1,1,2-Tetrachloroethane	2.3	50	ND	10		D2
Ethylbenzene	1.5	20	320	10		D2
Xylene (total)	1.4	100	4.9	10		D2E4
Styrene	1.6	20	ND	10		D2
Bromoform	1.8	50	ND	10		D2
Isopropylbenzene	1.7	20	36	10		D2
1,1,2,2-Tetrachloroethane	1.7	10	ND	10		D2
Bromobenzene	1.7	50	ND	10		D2
1,2,3-Trichloropropane	2.0	100	ND	10		D2
n-Propylbenzene	1.3	20	28	10		D2
2-Chlorotoluene	1.6	50	ND	10		D2
1,3,5-Trimethylbenzene	1.5	20	ND	10		D2
4-Chlorotoluene	1.6	50	ND	10		D2
tert-Butylbenzene	1.8	50	ND	10		D2
1,2,4-Trimethylbenzene	1.3	20	6.1	10		D2E4
sec-Butylbenzene	1.7	50	3.9	10		D2E4
1,3-Dichlorobenzene	1.1	10	ND	10		D2
p-Isopropyltoluene	1.0	20	ND	10		D2
1,4-Dichlorobenzene	1.1	10	ND	10		D2
n-Butylbenzene	3.3	50	ND	10		D2
1,2-Dichlorobenzene	1.4	10	ND	10		D2
1,2-Dibromo-3-chloropropane	8.1	50	ND	10		D2
1,2,4-Trichlorobenzene	3.6	50	ND	10		D2
Hexachlorobutadiene	6.0	10	ND	10		D2
Naphthalene	2.9	20	89	10		D2
1,2,3-Trichlorobenzene	3.7	50	ND	10		D2

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2

RESULTS

Analytical Method: SW8260

AAB #: D0602066

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-116A-6D2DL

Lab Sample ID: D0602066-002DL Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/14/06

Date Extracted:

Date Analyzed: 12/20/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	100	82-124	
Dibromofluoromethane - SS	95	84-127	
Toluene-d8 - SS	98	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602066

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-111A-6D2

Lab Sample ID: D0602066-003 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/14/06

Date Extracted:

Date Analyzed: 12/18/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	ND	1		
Vinyl chloride	0.22	1.0	ND	1		
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	ND	1		
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	0.75	1		E4
Acetone	1.0	20	2.2	1		E4
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	110	1		
1,1-Dichloroethane	0.12	2.0	0.80	1		E4
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	0.98	1		E4
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	0.80	1		E4
1,1,1-Trichloroethane	0.14	2.0	ND	1		
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	130	1		
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	6.0	1		
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	ND	1		
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	ND	1		
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A

Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602066

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-111A-6D2

Lab Sample ID: D0602066-003 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/14/06

Date Extracted:

Date Analyzed: 12/18/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	2.0	1		
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	ND	1		
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	ND	1		
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	24	1		
Xylene (total)	0.14	10	54	1		
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	ND	1		
Isopropylbenzene	0.17	2.0	3.8	1		
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	3.6	1		
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	4.6	1		
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	0.24	1		E4
1,2,4-Trimethylbenzene	0.13	2.0	14	1		
sec-Butylbenzene	0.17	5.0	1.6	1		E4
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	0.72	1		E4
1,4-Dichlorobenzene	0.11	1.0	ND	1		
n-Butylbenzene	0.33	5.0	ND	1		
1,2-Dichlorobenzene	0.14	1.0	ND	1		
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		
Naphthalene	0.29	2.0	10	1		
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602066

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-111A-6D2

Lab Sample ID: D0602066-003 Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/14/06

Date Extracted:

Date Analyzed: 12/18/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	103	82-124	
Dibromofluoromethane - SS	97	84-127	
Toluene-d8 - SS	100	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602066

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-115A-6D2

Lab Sample ID: D0602066-004 Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/14/06

Date Extracted: _____

Date Analyzed: 12/18/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	0.47	1		E4
Vinyl chloride	0.22	1.0	ND	1		
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	ND	1		
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	0.57	1		E4
Acetone	1.0	20	2.6	1		E4
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	320	1		
1,1-Dichloroethane	0.12	2.0	0.66	1		E4
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	1.5	1		E4
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	0.35	1		E4
1,1,1-Trichloroethane	0.14	2.0	ND	1		
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	520	1		
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	2.6	1		
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	ND	1		
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	0.77	1		E4
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A

Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602066

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-I15A-6D2

Lab Sample ID: D0602066-004 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/14/06

Date Extracted:

Date Analyzed: 12/18/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	0.86	1		E4
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	ND	1		
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	ND	1		
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	130	1		
Xylene (total)	0.14	10	26	1		
Styrene	0.16	2.0	0.69	1		E4
Bromoform	0.18	5.0	ND	1		
Isopropylbenzene	0.17	2.0	56	1		
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	61	1		
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	11	1		
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	1.4	1		E4
1,2,4-Trimethylbenzene	0.13	2.0	60	1		
sec-Butylbenzene	0.17	5.0	9.5	1		
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	3.9	1		
1,4-Dichlorobenzene	0.11	1.0	ND	1		
n-Butylbenzene	0.33	5.0	5.2	1		
1,2-Dichlorobenzene	0.14	1.0	ND	1		
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		
Naphthalene	0.29	2.0	120	1		
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602066

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-115A-6D2

Lab Sample ID: D0602066-004 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/14/06

Date Extracted:

Date Analyzed: 12/18/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	97	82-124	
Dibromofluoromethane - SS	96	84-127	
Toluene-d8 - SS	96	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602066

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-115A-6D2DL

Lab Sample ID: D0602066-004DL Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/14/06

Date Extracted:

Date Analyzed: 12/20/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	14	200	ND	40		D2
Chloromethane	9.2	200	ND	40		D2
Vinyl chloride	8.8	40	ND	40		D2
Bromomethane	11	40	ND	40		D2
Chloroethane	8.0	200	ND	40		D2
Trichlorofluoromethane	5.6	200	ND	40		D2
1,1-Dichloroethene	7.6	80	ND	40		D2
Acetone	40	800	ND	40		D2
Carbon disulfide	4.4	200	ND	40		D2
Methylene chloride	6.0	200	ND	40		D2
Iodomethane	8.0	400	ND	40		D2
trans-1,2-Dichloroethene	6.4	80	ND	40		D2
Tert-butylmethylether	6.8	40	650	40		D2
1,1-Dichloroethane	4.8	80	ND	40		D2
Vinyl acetate	34	1000	ND	40		D2
2,2-Dichloropropane	13	80	ND	40		D2
cis-1,2-Dichloroethene	6.8	80	ND	40		D2
2-Butanone	36	400	ND	40		D2
Bromochloromethane	10	200	ND	40		D2
Chloroform	5.6	80	ND	40		D2
1,1,1-Trichloroethane	5.6	80	ND	40		D2
1,1-Dichloropropene	7.2	80	ND	40		D2
Carbon tetrachloride	7.2	80	ND	40		D2
Benzene	4.8	40	3400	40		D2
1,2-Dichloroethane	7.2	40	ND	40		D2
Trichloroethene	4.0	40	4.8	40		D2E4
1,2-Dichloropropane	6.8	80	ND	40		D2
Dibromomethane	7.2	80	ND	40		D2
Bromodichloromethane	6.8	40	ND	40		D2
cis-1,3-Dichloropropene	5.2	80	ND	40		D2
4-methyl-2-pentanone	34	400	ND	40		D2
Toluene	5.6	80	ND	40		D2
trans-1,3-Dichloropropene	7.6	80	ND	40		D2

Surrogate Recoveries are reported in Appendix O-A

Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602066

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-115A-6D2DL

Lab Sample ID: D0602066-004DL Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/14/06

Date Extracted:

Date Analyzed: 12/20/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	8.8	40	ND	40		D2
Tetrachloroethene	8.8	40	ND	40		D2
1,3-Dichloropropane	4.4	80	ND	40		D2
2-Hexanone	23	400	ND	40		D2
Dibromochloromethane	6.0	80	ND	40		D2
1,2-Dibromoethane	6.0	80	ND	40		D2
Chlorobenzene	6.0	40	ND	40		D2
1,1,1,2-Tetrachloroethane	9.2	200	ND	40		D2
Ethylbenzene	6.0	80	520	40		D2
Xylene (total)	5.6	400	24	40		D2E4
Styrene	6.4	80	ND	40		D2
Bromoform	7.2	200	ND	40		D2
Isopropylbenzene	6.8	80	59	40		D2E4
1,1,2,2-Tetrachloroethane	6.8	40	ND	40		D2
Bromobenzene	6.8	200	ND	40		D2
1,2,3-Trichloropropane	8.0	400	ND	40		D2
n-Propylbenzene	5.2	80	57	40		D2E4
2-Chlorotoluene	6.4	200	ND	40		D2
1,3,5-Trimethylbenzene	6.0	80	11	40		D2E4
4-Chlorotoluene	6.4	200	ND	40		D2
tert-Butylbenzene	7.2	200	ND	40		D2
1,2,4-Trimethylbenzene	5.2	80	64	40		D2E4
sec-Butylbenzene	6.8	200	9.3	40		D2E4
1,3-Dichlorobenzene	4.4	40	ND	40		D2
p-Isopropyltoluene	4.0	80	ND	40		D2
1,4-Dichlorobenzene	4.4	40	ND	40		D2
n-Butylbenzene	13	200	ND	40		D2
1,2-Dichlorobenzene	5.6	40	ND	40		D2
1,2-Dibromo-3-chloropropane	32	200	ND	40		D2
1,2,4-Trichlorobenzene	14	200	ND	40		D2
Hexachlorobutadiene	24	40	ND	40		D2
Naphthalene	12	80	220	40		D2
1,2,3-Trichlorobenzene	15	200	ND	40		D2

Surrogate Recoveries are reported in Appendix O-A

Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2

RESULTS

Analytical Method: SW8260

AAB #: D0602066

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-115A-6D2DL

Lab Sample ID: D0602066-004DL Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/14/06

Date Extracted:

Date Analyzed: 12/20/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	107	82-124	
Dibromofluoromethane - SS	99	84-127	
Toluene-d8 - SS	101	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

ORGANIC ANALYSES DATA SHEET 6
BLANKS

Analytical Method: SW8260 AAB #: D0602066

Lab Name: Columbia Analytical Services/Redding

Concentration Units (ug/L or mg/kg): UG/L Method Blank ID: M1218W01

Lab Sample ID: M1218W01

Initial Calibration ID: 12/05/06MSM

Analyte	MDL	Method Blank	RL	Q
Dichlorodifluoromethane	0.36	ND	5.0	
Chloromethane	0.23	ND	5.0	
Vinyl chloride	0.22	ND	1.0	
Bromomethane	0.27	ND	1.0	
Chloroethane	0.20	ND	5.0	
Trichlorofluoromethane	0.14	ND	5.0	
1,1-Dichloroethene	0.19	ND	2.0	
Acetone	1.0	ND	20	
Carbon disulfide	0.11	ND	5.0	
Methylene chloride	0.15	ND	5.0	
Iodomethane	0.20	ND	10	
trans-1,2-Dichloroethene	0.16	ND	2.0	
Tert-butylmethylether	0.17	ND	1.0	
1,1-Dichloroethane	0.12	ND	2.0	
Vinyl acetate	0.84	ND	25	
2,2-Dichloropropane	0.33	ND	2.0	
cis-1,2-Dichloroethene	0.17	ND	2.0	
2-Butanone	0.90	ND	10	
Bromochloromethane	0.25	ND	5.0	
Chloroform	0.14	0.30	2.0	E4
1,1,1-Trichloroethane	0.14	ND	2.0	
1,1-Dichloropropene	0.18	ND	2.0	
Carbon tetrachloride	0.18	ND	2.0	
Benzene	0.12	ND	1.0	
1,2-Dichloroethane	0.18	ND	1.0	
Trichloroethene	0.10	ND	1.0	
1,2-Dichloropropane	0.17	ND	2.0	
Dibromomethane	0.18	ND	2.0	
Bromodichloromethane	0.17	ND	1.0	
cis-1,3-Dichloropropene	0.13	ND	2.0	
4-methyl-2-pentanone	0.85	ND	10	
Toluene	0.14	ND	2.0	
trans-1,3-Dichloropropene	0.19	ND	2.0	

Comments:

ORGANIC ANALYSES DATA SHEET 6
BLANKS

Analytical Method: SW8260

AAB #: D0602066

Lab Name: Columbia Analytical Services/Redding

Concentration Units (ug/L or mg/kg): UG/L Method Blank ID: M1218W01

Lab Sample ID: M1218W01

Initial Calibration ID: 12/05/06MSM

Analyte	MDL	Method Blank	RL	Q
1,1,2-Trichloroethane	0.22	ND	1.0	
Tetrachloroethene	0.22	ND	1.0	
1,3-Dichloropropane	0.11	ND	2.0	
2-Hexanone	0.58	ND	10	
Dibromochloromethane	0.15	ND	2.0	
1,2-Dibromoethane	0.15	ND	2.0	
Chlorobenzene	0.15	ND	1.0	
1,1,1,2-Tetrachloroethane	0.23	ND	5.0	
Ethylbenzene	0.15	ND	2.0	
Xylene (total)	0.14	ND	10	
Styrene	0.16	ND	2.0	
Bromoform	0.18	ND	5.0	
Isopropylbenzene	0.17	ND	2.0	
1,1,2,2-Tetrachloroethane	0.17	ND	1.0	
Bromobenzene	0.17	ND	5.0	
1,2,3-Trichloropropane	0.20	ND	10	
n-Propylbenzene	0.13	ND	2.0	
2-Chlorotoluene	0.16	ND	5.0	
1,3,5-Trimethylbenzene	0.15	ND	2.0	
4-Chlorotoluene	0.16	ND	5.0	
tert-Butylbenzene	0.18	ND	5.0	
1,2,4-Trimethylbenzene	0.13	ND	2.0	
sec-Butylbenzene	0.17	ND	5.0	
1,3-Dichlorobenzene	0.11	ND	1.0	
p-Isopropyltoluene	0.10	ND	2.0	
1,4-Dichlorobenzene	0.11	ND	1.0	
n-Butylbenzene	0.33	ND	5.0	
1,2-Dichlorobenzene	0.14	ND	1.0	
1,2-Dibromo-3-chloropropane	0.81	ND	5.0	
1,2,4-Trichlorobenzene	0.36	ND	5.0	
Hexachlorobutadiene	0.60	ND	1.0	
Naphthalene	0.29	ND	2.0	
1,2,3-Trichlorobenzene	0.37	ND	5.0	

Comments:

ORGANIC ANALYSES DATA SHEET 6
BLANKS

Analytical Method: SW8260

AAB #: D0602066

Lab Name: Columbia Analytical Services/Redding

Concentration Units (ug/L or mg/kg): UG/L Method Blank ID: M1218W01

Lab Sample ID: M1218W01

Initial Calibration ID: 12/05/06MSM

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	100	82-124	
Dibromofluoromethane - SS	99	84-127	
Toluene-d8 - SS	100	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

ORGANIC ANALYSES DATA SHEET 6
BLANKS

Analytical Method: SW8260 AAB #: D0602066

Lab Name: Columbia Analytical Services/Redding

Concentration Units (ug/L or mg/kg): UG/L Method Blank ID: M1220W01

Lab Sample ID: M1220W01

Initial Calibration ID: 12/05/06MSM

Analyte	MDL	Method Blank	RL	Q
Dichlorodifluoromethane	0.36	ND	5.0	
Chloromethane	0.23	ND	5.0	
Vinyl chloride	0.22	ND	1.0	
Bromomethane	0.27	ND	1.0	
Chloroethane	0.20	ND	5.0	
Trichlorofluoromethane	0.14	ND	5.0	
1,1-Dichloroethene	0.19	ND	2.0	
Acetone	1.0	ND	20	
Carbon disulfide	0.11	ND	5.0	
Methylene chloride	0.15	ND	5.0	
Iodomethane	0.20	ND	10	
trans-1,2-Dichloroethene	0.16	ND	2.0	
Tert-butylmethylether	0.17	ND	1.0	
1,1-Dichloroethane	0.12	ND	2.0	
Vinyl acetate	0.84	ND	25	
2,2-Dichloropropane	0.33	ND	2.0	
cis-1,2-Dichloroethene	0.17	ND	2.0	
2-Butanone	0.90	ND	10	
Bromochloromethane	0.25	ND	5.0	
Chloroform	0.14	ND	2.0	
1,1,1-Trichloroethane	0.14	ND	2.0	
1,1-Dichloropropene	0.18	ND	2.0	
Carbon tetrachloride	0.18	ND	2.0	
Benzene	0.12	ND	1.0	
1,2-Dichloroethane	0.18	ND	1.0	
Trichloroethene	0.10	ND	1.0	
1,2-Dichloropropane	0.17	ND	2.0	
Dibromomethane	0.18	ND	2.0	
Bromodichloromethane	0.17	ND	1.0	
cis-1,3-Dichloropropene	0.13	ND	2.0	
4-methyl-2-pentanone	0.85	ND	10	
Toluene	0.14	ND	2.0	
trans-1,3-Dichloropropene	0.19	ND	2.0	

Comments:

ORGANIC ANALYSES DATA SHEET 6
BLANKS

Analytical Method: SW8260 AAB #: D0602066

Lab Name: Columbia Analytical Services/Redding

Concentration Units (ug/L or mg/kg): UG/L Method Blank ID: M1220W01

Lab Sample ID: M1220W01

Initial Calibration ID: 12/05/06MSM

Analyte	MDL	Method Blank	RL	Q
1,1,2-Trichloroethane	0.22	ND	1.0	
Tetrachloroethene	0.22	ND	1.0	
1,3-Dichloropropane	0.11	ND	2.0	
2-Hexanone	0.58	ND	10	
Dibromochloromethane	0.15	ND	2.0	
1,2-Dibromoethane	0.15	ND	2.0	
Chlorobenzene	0.15	ND	1.0	
1,1,1,2-Tetrachloroethane	0.23	ND	5.0	
Ethylbenzene	0.15	ND	2.0	
Xylene (total)	0.14	ND	10	
Styrene	0.16	ND	2.0	
Bromoform	0.18	ND	5.0	
Isopropylbenzene	0.17	ND	2.0	
1,1,2,2-Tetrachloroethane	0.17	ND	1.0	
Bromobenzene	0.17	ND	5.0	
1,2,3-Trichloropropane	0.20	ND	10	
n-Propylbenzene	0.13	ND	2.0	
2-Chlorotoluene	0.16	ND	5.0	
1,3,5-Trimethylbenzene	0.15	ND	2.0	
4-Chlorotoluene	0.16	ND	5.0	
tert-Butylbenzene	0.18	ND	5.0	
1,2,4-Trimethylbenzene	0.13	ND	2.0	
sec-Butylbenzene	0.17	ND	5.0	
1,3-Dichlorobenzene	0.11	ND	1.0	
p-Isopropyltoluene	0.10	ND	2.0	
1,4-Dichlorobenzene	0.11	ND	1.0	
n-Butylbenzene	0.33	ND	5.0	
1,2-Dichlorobenzene	0.14	ND	1.0	
1,2-Dibromo-3-chloropropane	0.81	ND	5.0	
1,2,4-Trichlorobenzene	0.36	ND	5.0	
Hexachlorobutadiene	0.60	ND	1.0	
Naphthalene	0.29	ND	2.0	
1,2,3-Trichlorobenzene	0.37	ND	5.0	

Comments:

ORGANIC ANALYSES DATA SHEET 6
BLANKS

Analytical Method: SW8260

AAB #: D0602066

Lab Name: Columbia Analytical Services/Redding

Concentration Units (ug/L or mg/kg): UG/L Method Blank ID: M1220W01

Lab Sample ID: M1220W01

Initial Calibration ID: 12/05/06MSM

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	92	82-124	
Dibromofluoromethane - SS	90	84-127	
Toluene-d8 - SS	89	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260

AAB #: D0602066

Lab Name: Columbia Analytical Services/Redding

LCS ID: M1218W01LCS

Concentration Units (ug/L or mg/kg): UG/L

Date Extracted: _____ Date Analyzed: 12/18/06

Initial Calibration ID: 12/05/06MSM

Analyte	Expected	Found	%R	Control Limits	Q
Dichlorodifluoromethane	10.0	12.1	121	27-158	
Chloromethane	10.0	10.8	108	51-137	
Vinyl chloride	10.0	10.7	107	57-137	
Bromomethane	10.0	11.5	115	44-156	
Chloroethane	10.0	11.3	113	60-140	
Trichlorofluoromethane	10.0	12.3	123	54-146	
1,1-Dichloroethene	10.0	11.0	110	70-130	
Acetone	50.0	43.4	87	55-137	
Carbon disulfide	10.0	10.0	100	50-127	
Methylene chloride	10.0	9.8	98	73-121	
Iodomethane	10.0	9.6	96	50-150	E4
trans-1,2-Dichloroethene	10.0	9.8	98	74-124	
Tert-butylmethylether	10.0	10.0	100	75-119	
1,1-Dichloroethane	10.0	9.9	99	78-121	
Vinyl acetate	10.0	11.1	111	52-129	E4
2,2-Dichloropropane	10.0	9.9	99	61-137	
cis-1,2-Dichloroethene	10.0	10.3	103	80-118	
2-Butanone	50.0	47.0	94	76-122	
Bromochloromethane	10.0	10.3	103	82-118	
Chloroform	10.0	10.1	101	73-125	
1,1,1-Trichloroethane	10.0	10.0	100	76-124	
1,1-Dichloropropene	10.0	10.2	102	80-119	
Carbon tetrachloride	10.0	10.7	107	68-135	
Benzene	10.0	10.2	102	81-119	
1,2-Dichloroethane	10.0	9.8	98	75-122	
Trichloroethene	10.0	9.9	99	79-118	
1,2-Dichloropropane	10.0	9.6	96	82-115	
Dibromomethane	10.0	10.1	101	84-116	
Bromodichloromethane	10.0	10.5	105	81-122	
cis-1,3-Dichloropropene	10.0	10.3	103	78-118	
4-methyl-2-pentanone	50.0	49.4	99	81-127	
Toluene	10.0	10.0	100	83-116	
trans-1,3-Dichloropropene	10.0	10.5	105	73-122	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260

AAB #: D0602066

Lab Name: Columbia Analytical Services/Redding

LCS ID: M1218W01LCS

Concentration Units (ug/L or mg/kg): UG/L

Date Extracted: _____ Date Analyzed: 12/18/06

Initial Calibration ID: 12/05/06MSM

Analyte	Expected	Found	%R	Control Limits	Q
1,1,2-Trichloroethane	10.0	10.2	102	83-120	
Tetrachloroethene	10.0	10.7	107	82-118	
1,3-Dichloropropane	10.0	10.3	103	82-119	
2-Hexanone	50.0	48.9	98	81-130	
Dibromochloromethane	10.0	11.3	113	79-124	
1,2-Dibromoethane	10.0	10.6	106	82-116	
Chlorobenzene	10.0	10.3	103	86-114	
1,1,1,2-Tetrachloroethane	10.0	10.7	107	79-122	
Ethylbenzene	10.0	10.4	104	86-116	
Xylene (total)	30.0	31.1	104	85-117	
Styrene	10.0	10.4	104	84-119	
Bromoform	10.0	11.0	110	71-133	
Isopropylbenzene	10.0	10.7	107	77-117	
1,1,2,2-Tetrachloroethane	10.0	10.7	107	80-117	
Bromobenzene	10.0	10.5	105	84-120	
1,2,3-Trichloropropane	10.0	10.5	105	81-122	
n-Propylbenzene	10.0	10.5	105	87-117	
2-Chlorotoluene	10.0	10.6	106	87-119	
1,3,5-Trimethylbenzene	10.0	9.8	98	83-120	
4-Chlorotoluene	10.0	10.4	104	86-118	
tert-Butylbenzene	10.0	10.7	107	82-122	
1,2,4-Trimethylbenzene	10.0	10.4	104	86-121	
sec-Butylbenzene	10.0	10.8	108	84-128	
1,3-Dichlorobenzene	10.0	10.4	104	85-119	
p-Isopropyltoluene	10.0	10.3	103	84-121	
1,4-Dichlorobenzene	10.0	10.3	103	84-118	
n-Butylbenzene	10.0	9.6	96	81-123	
1,2-Dichlorobenzene	10.0	10.3	103	85-117	
1,2-Dibromo-3-chloropropane	40.0	40.8	102	67-121	
1,2,4-Trichlorobenzene	10.0	9.6	96	69-128	
Hexachlorobutadiene	10.0	10.0	100	71-135	
Naphthalene	10.0	9.9	99	60-131	
1,2,3-Trichlorobenzene	10.0	9.6	96	69-130	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260

AAB #: D0602066

Lab Name: Columbia Analytical Services/Redding

LCS ID: M1218W01LCS Concentration Units (ug/L or mg/kg): UG/L

Date Extracted: Date Analyzed: 12/18/06

Initial Calibration ID: 12/05/06MSM

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	105	82-124	
Dibromofluoromethane - SS	102	84-127	
Toluene-d8 - SS	102	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260

AAB #: D0602066

Lab Name: Columbia Analytical Services/Redding

LCS ID: M1218W01LCSD Concentration Units (ug/L or mg/kg): UG/L

Date Extracted: _____ Date Analyzed: 12/18/06

Initial Calibration ID: 12/05/06MSM

Analyte	Expected	Found	%R	Control Limits	Q
Dichlorodifluoromethane	10.0	11.5	115	27-158	
Chloromethane	10.0	10.4	104	51-137	
Vinyl chloride	10.0	10.4	104	57-137	
Bromomethane	10.0	11.2	112	44-156	
Chloroethane	10.0	10.6	106	60-140	
Trichlorofluoromethane	10.0	12.1	121	54-146	
1,1-Dichloroethene	10.0	11.1	111	70-130	
Acetone	50.0	43.4	87	55-137	
Carbon disulfide	10.0	9.9	99	50-127	
Methylene chloride	10.0	9.6	96	73-121	
Iodomethane	10.0	9.4	94	50-150	E4
trans-1,2-Dichloroethene	10.0	9.8	98	74-124	
Tert-butylmethylether	10.0	9.8	98	75-119	
1,1-Dichloroethane	10.0	9.8	98	78-121	
Vinyl acetate	10.0	10.9	109	52-129	E4
2,2-Dichloropropane	10.0	9.8	98	61-137	
cis-1,2-Dichloroethene	10.0	10.4	104	80-118	
2-Butanone	50.0	46.9	94	76-122	
Bromochloromethane	10.0	9.9	99	82-118	
Chloroform	10.0	10.0	100	73-125	
1,1,1-Trichloroethane	10.0	9.9	99	76-124	
1,1-Dichloropropene	10.0	9.9	99	80-119	
Carbon tetrachloride	10.0	10.3	103	68-135	
Benzene	10.0	10.1	101	81-119	
1,2-Dichloroethane	10.0	9.5	95	75-122	
Trichloroethene	10.0	9.9	99	79-118	
1,2-Dichloropropane	10.0	9.7	97	82-115	
Dibromomethane	10.0	9.9	99	84-116	
Bromodichloromethane	10.0	10.2	102	81-122	
cis-1,3-Dichloropropene	10.0	10.3	103	78-118	
4-methyl-2-pentanone	50.0	49.2	98	81-127	
Toluene	10.0	10.0	100	83-116	
trans-1,3-Dichloropropene	10.0	10.0	100	73-122	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260

AAB #: D0602066

Lab Name: Columbia Analytical Services/Redding

LCS ID: M1218W01LCSD

Concentration Units (ug/L or mg/kg): UG/L

Date Extracted: _____ Date Analyzed: 12/18/06

Initial Calibration ID: 12/05/06MSM

Analyte	Expected	Found	%R	Control Limits	Q
1,1,2-Trichloroethane	10.0	10.0	100	83-120	
Tetrachloroethene	10.0	10.4	104	82-118	
1,3-Dichloropropane	10.0	9.8	98	82-119	
2-Hexanone	50.0	48.4	97	81-130	
Dibromochloromethane	10.0	10.9	109	79-124	
1,2-Dibromoethane	10.0	10.2	102	82-116	
Chlorobenzene	10.0	10.2	102	86-114	
1,1,1,2-Tetrachloroethane	10.0	10.3	103	79-122	
Ethylbenzene	10.0	10.4	104	86-116	
Xylene (total)	30.0	30.9	103	85-117	
Styrene	10.0	10.3	103	84-119	
Bromoform	10.0	10.3	103	71-133	
Isopropylbenzene	10.0	10.6	106	77-117	
1,1,2,2-Tetrachloroethane	10.0	9.9	99	80-117	
Bromobenzene	10.0	10.2	102	84-120	
1,2,3-Trichloropropane	10.0	9.7	97	81-122	E4
n-Propylbenzene	10.0	10.4	104	87-117	
2-Chlorotoluene	10.0	10.3	103	87-119	
1,3,5-Trimethylbenzene	10.0	10.4	104	83-120	
4-Chlorotoluene	10.0	10.4	104	86-118	
tert-Butylbenzene	10.0	8.9	89	82-122	
1,2,4-Trimethylbenzene	10.0	10.4	104	86-121	
sec-Butylbenzene	10.0	10.9	109	84-128	
1,3-Dichlorobenzene	10.0	10.2	102	85-119	
p-Isopropyltoluene	10.0	10.4	104	84-121	
1,4-Dichlorobenzene	10.0	10.2	102	84-118	
n-Butylbenzene	10.0	10.1	101	81-123	
1,2-Dichlorobenzene	10.0	10.2	102	85-117	
1,2-Dibromo-3-chloropropane	40.0	39.2	98	67-121	
1,2,4-Trichlorobenzene	10.0	10.4	104	69-128	
Hexachlorobutadiene	10.0	10.5	105	71-135	
Naphthalene	10.0	10.7	107	60-131	
1,2,3-Trichlorobenzene	10.0	10.6	106	69-130	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260

AAB #: D0602066

Lab Name: Columbia Analytical Services/Redding

LCS ID: M1218W01LCSD Concentration Units (ug/L or mg/kg): UG/L

Date Extracted: _____ Date Analyzed: 12/18/06

Initial Calibration ID: 12/05/06MSM

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	102	82-124	
Dibromofluoromethane - SS	101	84-127	
Toluene-d8 - SS	102	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260

AAB #: D0602066

Lab Name: Columbia Analytical Services/Redding

LCS ID: M1220W01LCS Concentration Units (ug/L or mg/kg): UG/L

Date Extracted: _____ Date Analyzed: 12/20/06

Initial Calibration ID: 12/05/06MSM

Analyte	Expected	Found	%R	Control Limits	Q
Dichlorodifluoromethane	10.0	12.5	125	27-158	
Chloromethane	10.0	10.8	108	51-137	
Vinyl chloride	10.0	10.8	108	57-137	
Bromomethane	10.0	11.1	111	44-156	
Chloroethane	10.0	11.0	110	60-140	
Trichlorofluoromethane	10.0	12.8	128	54-146	
1,1-Dichloroethene	10.0	11.2	112	70-130	
Acetone	50.0	49.0	98	55-137	
Carbon disulfide	10.0	10.3	103	50-127	
Methylene chloride	10.0	10.1	101	73-121	
Iodomethane	10.0	10.0	100	50-150	
trans-1,2-Dichloroethene	10.0	10.1	101	74-124	
Tert-butylmethylether	10.0	10.4	104	75-119	
1,1-Dichloroethane	10.0	9.9	99	78-121	
Vinyl acetate	10.0	11.7	117	52-129	E4
2,2-Dichloropropane	10.0	10.4	104	61-137	
cis-1,2-Dichloroethene	10.0	10.5	105	80-118	
2-Butanone	50.0	50.6	101	76-122	
Bromochloromethane	10.0	10.3	103	82-118	
Chloroform	10.0	10.0	100	73-125	
1,1,1-Trichloroethane	10.0	10.0	100	76-124	
1,1-Dichloropropene	10.0	10.3	103	80-119	
Carbon tetrachloride	10.0	10.6	106	68-135	
Benzene	10.0	10.4	104	81-119	
1,2-Dichloroethane	10.0	10.2	102	75-122	
Trichloroethene	10.0	10.2	102	79-118	
1,2-Dichloropropane	10.0	9.9	99	82-115	
Dibromomethane	10.0	10.4	104	84-116	
Bromodichloromethane	10.0	10.6	106	81-122	
cis-1,3-Dichloropropene	10.0	10.7	107	78-118	
4-methyl-2-pentanone	50.0	51.9	104	81-127	
Toluene	10.0	10.2	102	83-116	
trans-1,3-Dichloropropene	10.0	10.6	106	73-122	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260

AAB #: D0602066

Lab Name: Columbia Analytical Services/Redding

LCS ID: M1220W01LCS

Concentration Units (ug/L or mg/kg): UG/L

Date Extracted: _____ Date Analyzed: 12/20/06

Initial Calibration ID: 12/05/06MSM

Analyte	Expected	Found	%R	Control Limits	Q
1,1,2-Trichloroethane	10.0	10.4	104	83-120	
Tetrachloroethene	10.0	11.0	110	82-118	
1,3-Dichloropropane	10.0	10.5	105	82-119	
2-Hexanone	50.0	51.2	102	81-130	
Dibromochloromethane	10.0	11.2	112	79-124	
1,2-Dibromoethane	10.0	10.7	107	82-116	
Chlorobenzene	10.0	10.5	105	86-114	
1,1,1,2-Tetrachloroethane	10.0	10.7	107	79-122	
Ethylbenzene	10.0	10.6	106	86-116	
Xylene (total)	30.0	31.6	105	85-117	
Styrene	10.0	10.8	108	84-119	
Bromoform	10.0	10.7	107	71-133	
Isopropylbenzene	10.0	10.9	109	77-117	
1,1,2,2-Tetrachloroethane	10.0	11.0	110	80-117	
Bromobenzene	10.0	11.2	112	84-120	
1,2,3-Trichloropropane	10.0	10.9	109	81-122	
n-Propylbenzene	10.0	11.1	111	87-117	
2-Chlorotoluene	10.0	11.0	110	87-119	
1,3,5-Trimethylbenzene	10.0	10.9	109	83-120	
4-Chlorotoluene	10.0	10.9	109	86-118	
tert-Butylbenzene	10.0	11.0	110	82-122	
1,2,4-Trimethylbenzene	10.0	10.8	108	86-121	
sec-Butylbenzene	10.0	11.2	112	84-128	
1,3-Dichlorobenzene	10.0	10.8	108	85-119	
p-Isopropyltoluene	10.0	10.6	106	84-121	
1,4-Dichlorobenzene	10.0	10.7	107	84-118	
n-Butylbenzene	10.0	10.1	101	81-123	
1,2-Dichlorobenzene	10.0	10.8	108	85-117	
1,2-Dibromo-3-chloropropane	40.0	42.6	106	67-121	
1,2,4-Trichlorobenzene	10.0	10.4	104	69-128	
Hexachlorobutadiene	10.0	10.0	100	71-135	
Naphthalene	10.0	10.9	109	60-131	
1,2,3-Trichlorobenzene	10.0	10.5	105	69-130	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260

AAB #: D0602066

Lab Name: Columbia Analytical Services/Redding

LCS ID: M1220W01LCS Concentration Units (ug/L or mg/kg): UG/L

Date Extracted: _____ Date Analyzed: 12/20/06

Initial Calibration ID: 12/05/06MSM

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	109	82-124	
Dibromofluoromethane - SS	103	84-127	
Toluene-d8 - SS	101	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260

AAB #: D0602066

Lab Name: Columbia Analytical Services/Redding

LCS ID: MI220W01LCSD

Concentration Units (ug/L or mg/kg): UG/L

Date Extracted: _____

Date Analyzed: 12/20/06

Initial Calibration ID: 12/05/06MSM

Analyte	Expected	Found	%R	Control Limits	Q
Dichlorodifluoromethane	10.0	11.7	117	27-158	
Chloromethane	10.0	10.2	102	51-137	
Vinyl chloride	10.0	10.4	104	57-137	
Bromomethane	10.0	10.6	106	44-156	
Chloroethane	10.0	10.5	105	60-140	
Trichlorofluoromethane	10.0	11.6	116	54-146	
1,1-Dichloroethene	10.0	10.8	108	70-130	
Acetone	50.0	47.1	94	55-137	
Carbon disulfide	10.0	9.8	98	50-127	
Methylene chloride	10.0	9.8	98	73-121	
Iodomethane	10.0	9.4	94	50-150	E4
trans-1,2-Dichloroethene	10.0	9.6	96	74-124	
Tert-butylmethylether	10.0	9.9	99	75-119	
1,1-Dichloroethane	10.0	9.7	97	78-121	
Vinyl acetate	10.0	11.0	110	52-129	E4
2,2-Dichloropropane	10.0	9.8	98	61-137	
cis-1,2-Dichloroethene	10.0	10.3	103	80-118	
2-Butanone	50.0	47.0	94	76-122	
Bromochloromethane	10.0	10.0	100	82-118	
Chloroform	10.0	9.6	96	73-125	
1,1,1-Trichloroethane	10.0	9.6	96	76-124	
1,1-Dichloropropene	10.0	10.0	100	80-119	
Carbon tetrachloride	10.0	10.2	102	68-135	
Benzene	10.0	10.2	102	81-119	
1,2-Dichloroethane	10.0	9.6	96	75-122	
Trichloroethene	10.0	10.0	100	79-118	
1,2-Dichloropropane	10.0	9.5	95	82-115	
Dibromomethane	10.0	9.9	99	84-116	
Bromodichloromethane	10.0	10.0	100	81-122	
cis-1,3-Dichloropropene	10.0	10.2	102	78-118	
4-methyl-2-pentanone	50.0	48.8	98	81-127	
Toluene	10.0	10.0	100	83-116	
trans-1,3-Dichloropropene	10.0	10.1	101	73-122	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260

AAB #: D0602066

Lab Name: Columbia Analytical Services/Redding

LCS ID: M1220W01LCSD Concentration Units (ug/L or mg/kg): UG/L

Date Extracted: _____ Date Analyzed: 12/20/06

Initial Calibration ID: 12/05/06MSM

Analyte	Expected	Found	%R	Control Limits	Q
1,1,2-Trichloroethane	10.0	10.1	101	83-120	
Tetrachloroethene	10.0	10.6	106	82-118	
1,3-Dichloropropane	10.0	10.1	101	82-119	
2-Hexanone	50.0	47.7	95	81-130	
Dibromochloromethane	10.0	10.6	106	79-124	
1,2-Dibromoethane	10.0	10.4	104	82-116	
Chlorobenzene	10.0	10.3	103	86-114	
1,1,1,2-Tetrachloroethane	10.0	10.2	102	79-122	
Ethylbenzene	10.0	10.4	104	86-116	
Xylene (total)	30.0	30.9	103	85-117	
Styrene	10.0	10.3	103	84-119	
Bromoform	10.0	10.0	100	71-133	
Isopropylbenzene	10.0	10.6	106	77-117	
1,1,2,2-Tetrachloroethane	10.0	10.3	103	80-117	
Bromobenzene	10.0	10.3	103	84-120	
1,2,3-Trichloropropane	10.0	9.8	98	81-122	E4
n-Propylbenzene	10.0	10.4	104	87-117	
2-Chlorotoluene	10.0	10.4	104	87-119	
1,3,5-Trimethylbenzene	10.0	10.4	104	83-120	
4-Chlorotoluene	10.0	10.3	103	86-118	
tert-Butylbenzene	10.0	10.5	105	82-122	
1,2,4-Trimethylbenzene	10.0	10.4	104	86-121	
sec-Butylbenzene	10.0	10.8	108	84-128	
1,3-Dichlorobenzene	10.0	10.2	102	85-119	
p-Isopropyltoluene	10.0	10.4	104	84-121	
1,4-Dichlorobenzene	10.0	10.3	103	84-118	
n-Butylbenzene	10.0	9.8	98	81-123	
1,2-Dichlorobenzene	10.0	10.2	102	85-117	
1,2-Dibromo-3-chloropropane	40.0	38.3	96	67-121	
1,2,4-Trichlorobenzene	10.0	10.0	100	69-128	
Hexachlorobutadiene	10.0	10.3	103	71-135	
Naphthalene	10.0	10.4	104	60-131	
1,2,3-Trichlorobenzene	10.0	9.8	98	69-130	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260

AAB #: D0602066

Lab Name: Columbia Analytical Services/Redding

LCS ID: M1220W01LCSD Concentration Units (ug/L or mg/kg): UG/L

Date Extracted: _____ Date Analyzed: 12/20/06

Initial Calibration ID: 12/05/06MSM

Analyte	Expected	Found	%R	Control Limits	Q

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	103	82-124	
Dibromofluoromethane - SS	100	84-127	
Toluene-d8 - SS	99	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE/LABORATORY CONTROL SAMPLE DUPLICATE

Analytical Method: SW8260

AAB #: D0602066

Lab Name: Columbia Analytical Services/Redding

Concentration Units (ug/L or mg/kg): UG/L

%Solids:

Parent Field Sample ID: M1218W01

BS ID: M1218W01LCS

BSD ID: M1218W01LCSD

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicat Spike Sample Result	%R	%RPD	Control Limits %RPD	Control Limits %R	Q
Dichlorodifluoromethane		10.0	12.1	121	11.5	115	5	20	27-158	
Chloromethane		10.0	10.8	108	10.4	104	4	20	51-137	
Vinyl chloride		10.0	10.7	107	10.4	104	3	20	57-137	
Bromomethane		10.0	11.5	115	11.2	112	3	20	44-156	
Chloroethane		10.0	11.3	113	10.6	106	6	20	60-140	
Trichlorofluoromethane		10.0	12.3	123	12.1	121	2	20	54-146	
1,1-Dichloroethene		10.0	11.0	110	11.1	111	1	20	70-130	
Acetone		50.0	43.4	87	43.4	87	0	20	55-137	
Carbon disulfide		10.0	10.0	100	9.9	99	1	20	50-127	
Methylene chloride		10.0	9.8	98	9.6	96	2	20	73-121	
Iodomethane		10.0	9.6	96	9.4	94	2	20	50-150	E4
trans-1,2-Dichloroethene		10.0	9.8	98	9.8	98	0	20	74-124	
Tert-butylmethylether		10.0	10.0	100	9.8	98	2	20	75-119	
1,1-Dichloroethane		10.0	9.9	99	9.8	98	1	20	78-121	
Vinyl acetate		10.0	11.1	111	10.9	109	2	20	52-129	E4
2,2-Dichloropropane		10.0	9.9	99	9.8	98	1	20	61-137	
cis-1,2-Dichloroethene		10.0	10.3	103	10.4	104	1	20	80-118	
2-Butanone		50.0	47.0	94	46.9	94	0	20	76-122	
Bromochloromethane		10.0	10.3	103	9.9	99	4	20	82-118	
Chloroform		10.0	10.1	101	10.0	100	1	20	73-125	
1,1,1-Trichloroethane		10.0	10.0	100	9.9	99	1	20	76-124	
1,1-Dichloropropene		10.0	10.2	102	9.9	99	3	20	80-119	
Carbon tetrachloride		10.0	10.7	107	10.3	103	4	20	68-135	
Benzene		10.0	10.2	102	10.1	101	1	20	81-119	
1,2-Dichloroethane		10.0	9.8	98	9.5	95	3	20	75-122	
Trichloroethene		10.0	9.9	99	9.9	99	0	20	79-118	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE/LABORATORY CONTROL SAMPLE DUPLICATE

Analytical Method: SW8260 AAB #: D0602066

Lab Name: Columbia Analytical Services/Redding

Concentration Units (ug/L or mg/kg): UG/L %Solids:

Parent Field Sample ID: M1218W01 BS ID: M1218W01LCS BSD ID: M1218W01LCSD

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicate Spike Sample Result	%R	%RPD	Control Limits %RPD	Control Limits %R	Q
1,2-Dichloropropane		10.0	9.6	96	9.7	97	1	20	82-115	
Dibromomethane		10.0	10.1	101	9.9	99	2	20	84-116	
Bromodichloromethane		10.0	10.5	105	10.2	102	3	20	81-122	
cis-1,3-Dichloropropene		10.0	10.3	103	10.3	103	0	20	78-118	
4-methyl-2-pentanone		50.0	49.4	99	49.2	98	0	20	81-127	
Toluene		10.0	10.0	100	10.0	100	0	20	83-116	
trans-1,3-Dichloropropene		10.0	10.5	105	10.0	100	5	20	73-122	
1,1,2-Trichloroethane		10.0	10.2	102	10.0	100	2	20	83-120	
Tetrachloroethene		10.0	10.7	107	10.4	104	3	20	82-118	
1,3-Dichloropropane		10.0	10.3	103	9.8	98	5	20	82-119	
2-Hexanone		50.0	48.9	98	48.4	97	1	20	81-130	
Dibromochloromethane		10.0	11.3	113	10.9	109	4	20	79-124	
1,2-Dibromoethane		10.0	10.6	106	10.2	102	4	20	82-116	
Chlorobenzene		10.0	10.3	103	10.2	102	1	20	86-114	
1,1,1,2-Tetrachloroethane		10.0	10.7	107	10.3	103	4	20	79-122	
Ethylbenzene		10.0	10.4	104	10.4	104	0	20	86-116	
Xylene (total)		30.0	31.1	104	30.9	103	1	20	85-117	
Styrene		10.0	10.4	104	10.3	103	1	20	84-119	
Bromoform		10.0	11.0	110	10.3	103	6	20	71-133	
Isopropylbenzene		10.0	10.7	107	10.6	106	1	20	77-117	
1,1,2,2-Tetrachloroethane		10.0	10.7	107	9.9	99	8	20	80-117	
Bromobenzene		10.0	10.5	105	10.2	102	3	20	84-120	
1,2,3-Trichloropropane		10.0	10.5	105	9.7	97	8	20	81-122	E4
n-Propylbenzene		10.0	10.5	105	10.4	104	1	20	87-117	
2-Chlorotoluene		10.0	10.6	106	10.3	103	3	20	87-119	
1,3,5-Trimethylbenzene		10.0	9.8	98	10.4	104	6	20	83-120	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE/LABORATORY CONTROL SAMPLE DUPLICATE

Analytical Method: SW8260

AAB #: D0602066

Lab Name: Columbia Analytical Services/Redding

Concentration Units (ug/L or mg/kg): UG/L

%Solids:

Parent Field Sample ID: M1220W01

BS ID: M1220W01LCS

BSD ID: M1220W01LCSD

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicat Spike Sample Result	%R	%RPD	Control Limits %RPD	Control Limits %R	Q
Dichlorodifluoromethane		10.0	12.5	125	11.7	117	7	20	27-158	
Chloromethane		10.0	10.8	108	10.2	102	6	20	51-137	
Vinyl chloride		10.0	10.8	108	10.4	104	4	20	57-137	
Bromomethane		10.0	11.1	111	10.6	106	5	20	44-156	
Chloroethane		10.0	11.0	110	10.5	105	5	20	60-140	
Trichlorofluoromethane		10.0	12.8	128	11.6	116	10	20	54-146	
1,1-Dichloroethene		10.0	11.2	112	10.8	108	4	20	70-130	
Acetone		50.0	49.0	98	47.1	94	4	20	55-137	
Carbon disulfide		10.0	10.3	103	9.8	98	5	20	50-127	
Methylene chloride		10.0	10.1	101	9.8	98	3	20	73-121	
Iodomethane		10.0	10.0	100	9.4	94	6	20	50-150	E4
trans-1,2-Dichloroethene		10.0	10.1	101	9.6	96	5	20	74-124	
Tert-butylmethylether		10.0	10.4	104	9.9	99	5	20	75-119	
1,1-Dichloroethane		10.0	9.9	99	9.7	97	2	20	78-121	
Vinyl acetate		10.0	11.7	117	11.0	110	6	20	52-129	E4
2,2-Dichloropropane		10.0	10.4	104	9.8	98	6	20	61-137	
cis-1,2-Dichloroethene		10.0	10.5	105	10.3	103	2	20	80-118	
2-Butanone		50.0	50.6	101	47.0	94	7	20	76-122	
Bromochloromethane		10.0	10.3	103	10.0	100	3	20	82-118	
Chloroform		10.0	10.0	100	9.6	96	4	20	73-125	
1,1,1-Trichloroethane		10.0	10.0	100	9.6	96	4	20	76-124	
1,1-Dichloropropene		10.0	10.3	103	10.0	100	3	20	80-119	
Carbon tetrachloride		10.0	10.6	106	10.2	102	4	20	68-135	
Benzene		10.0	10.4	104	10.2	102	2	20	81-119	
1,2-Dichloroethane		10.0	10.2	102	9.6	96	6	20	75-122	
Trichloroethene		10.0	10.2	102	10.0	100	2	20	79-118	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE/LABORATORY CONTROL SAMPLE DUPLICATE

Analytical Method: SW8260 AAB #: D0602066

Lab Name: Columbia Analytical Services/Redding

Concentration Units (ug/L or mg/kg): UG/L %Solids:

Parent Field Sample ID: M1220W01 BS ID: M1220W01LCS BSD ID: M1220W01LCSD

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicat Spike Sample Result	%R	%RPD	Control Limits %RPD	Control Limits %R	Q
1,2-Dichloropropane		10.0	9.9	99	9.5	95	4	20	82-115	
Dibromomethane		10.0	10.4	104	9.9	99	5	20	84-116	
Bromodichloromethane		10.0	10.6	106	10.0	100	6	20	81-122	
cis-1,3-Dichloropropene		10.0	10.7	107	10.2	102	5	20	78-118	
4-methyl-2-pentanone		50.0	51.9	104	48.8	98	6	20	81-127	
Toluene		10.0	10.2	102	10.0	100	2	20	83-116	
trans-1,3-Dichloropropene		10.0	10.6	106	10.1	101	5	20	73-122	
1,1,2-Trichloroethane		10.0	10.4	104	10.1	101	3	20	83-120	
Tetrachloroethene		10.0	11.0	110	10.6	106	4	20	82-118	
1,3-Dichloropropane		10.0	10.5	105	10.1	101	4	20	82-119	
2-Hexanone		50.0	51.2	102	47.7	95	7	20	81-130	
Dibromochloromethane		10.0	11.2	112	10.6	106	6	20	79-124	
1,2-Dibromoethane		10.0	10.7	107	10.4	104	3	20	82-116	
Chlorobenzene		10.0	10.5	105	10.3	103	2	20	86-114	
1,1,1,2-Tetrachloroethane		10.0	10.7	107	10.2	102	5	20	79-122	
Ethylbenzene		10.0	10.6	106	10.4	104	2	20	86-116	
Xylene (total)		30.0	31.6	105	30.9	103	2	20	85-117	
Styrene		10.0	10.8	108	10.3	103	5	20	84-119	
Bromoform		10.0	10.7	107	10.0	100	7	20	71-133	
Isopropylbenzene		10.0	10.9	109	10.6	106	3	20	77-117	
1,1,2,2-Tetrachloroethane		10.0	11.0	110	10.3	103	6	20	80-117	
Bromobenzene		10.0	11.2	112	10.3	103	8	20	84-120	
1,2,3-Trichloropropane		10.0	10.9	109	9.8	98	11	20	81-122	E4
n-Propylbenzene		10.0	11.1	111	10.4	104	6	20	87-117	
2-Chlorotoluene		10.0	11.0	110	10.4	104	6	20	87-119	
1,3,5-Trimethylbenzene		10.0	10.9	109	10.4	104	5	20	83-120	

Comments:

ORGANIC ANALYSES DATA SHEET 8
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: SW8260 AAB #: D0602066

Lab Name: Columbia Analytical Services/Redding

Concentration Units (ug/L or mg/kg): UG/L %Solids:

Parent Field Sample ID: ASE-115A-6D2 MS ID: ASE-115A-6D2MS MSD ID: ASE-115A-6D2MSD

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicat Spike Sample Result	%R	%RPD	Control Limits %RPD	Control Limits %R	Q
Dichlorodifluoromethane		10.0	11.1	111	10.7	107	4	20	27-158	
Chloromethane	0.47	10.0	10.1	96	9.7	92	4	20	51-137	
Vinyl chloride		10.0	10.1	101	10.3	103	2	20	57-137	
Bromomethane		10.0	10.4	104	10.3	103	1	20	44-156	
Chloroethane		10.0	10.9	109	11.2	112	3	20	60-140	
Trichlorofluoromethane		10.0	10.5	105	11.0	110	5	20	54-146	
1,1-Dichloroethene	0.57	10.0	11.3	107	11.3	107	0	20	70-130	
Acetone	2.6	50.0	43.5	82	45.4	86	4	20	55-137	
Carbon disulfide		10.0	8.3	83	8.3	83	0	20	50-127	
Methylene chloride		10.0	9.4	94	9.7	97	3	20	73-121	
Iodomethane		10.0	9.2	92	9.2	92	0	20	50-150	E4
trans-1,2-Dichloroethene		10.0	9.4	94	9.4	94	0	20	74-124	
Tert-butylmethylether	318	10.0	323	50	320	20	1	20	75-119	M3
1,1-Dichloroethane	0.66	10.0	10.0	93	10.0	93	0	20	78-121	
Vinyl acetate		10.0	9.5	95	9.8	98	3	20	52-129	E4
2,2-Dichloropropane		10.0	8.4	84	8.5	85	1	20	61-137	
cis-1,2-Dichloroethene	1.5	10.0	11.4	99	11.3	98	1	20	80-118	
2-Butanone		50.0	46.7	93	46.6	93	0	20	76-122	
Bromochloromethane		10.0	9.6	96	9.6	96	0	20	82-118	
Chloroform	0.35	10.0	9.6	92	9.6	92	0	20	73-125	
1,1,1-Trichloroethane		10.0	9.0	90	8.8	88	2	20	76-124	
1,1-Dichloropropene		10.0	9.9	99	9.7	97	2	20	80-119	
Carbon tetrachloride		10.0	9.4	94	9.3	93	1	20	68-135	
Benzene	520	10.0	475	0	508	0	7	20	81-119	M3
1,2-Dichloroethane		10.0	11.0	110	10.8	108	2	20	75-122	
Trichloroethene	2.6	10.0	12.0	94	12.1	95	1	20	79-118	

Comments:

ORGANIC ANALYSES DATA SHEET 8
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: SW8260

AAB #: D0602066

Lab Name: Columbia Analytical Services/Redding

Concentration Units (ug/L or mg/kg): UG/L

%Solids:

Parent Field Sample ID: ASE-115A-6D2

MS ID: ASE-115A-6D2MS

MSD ID: ASE-115A-6D2MSD

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicate Spike Sample Result	%R	%RPD	Control Limits %RPD	Control Limits %R	Q
1,2-Dichloropropane		10.0	9.8	98	9.6	96	2	20	82-115	
Dibromomethane		10.0	9.5	95	9.6	96	1	20	84-116	
Bromodichloromethane		10.0	13.2	132	13.1	131	1	20	81-122	M1
cis-1,3-Dichloropropene		10.0	9.4	94	9.2	92	2	20	78-118	
4-methyl-2-pentanone		50.0	54.4	109	52.8	106	3	20	81-127	
Toluene	0.77	10.0	10.6	98	10.3	95	3	20	83-116	
trans-1,3-Dichloropropene		10.0	9.2	92	9.3	93	1	20	73-122	
1,1,2-Trichloroethane		10.0	9.5	95	9.4	94	1	20	83-120	
Tetrachloroethene	0.86	10.0	11.4	105	11.2	103	2	20	82-118	
1,3-Dichloropropane		10.0	9.8	98	9.8	98	0	20	82-119	
2-Hexanone		50.0	51.6	103	50.2	100	3	20	81-130	
Dibromochloromethane		10.0	9.1	91	8.8	88	3	20	79-124	
1,2-Dibromoethane		10.0	9.9	99	10.0	100	1	20	82-116	
Chlorobenzene		10.0	10.5	105	10.3	103	2	20	86-114	
1,1,1,2-Tetrachloroethane		10.0	8.9	89	8.8	88	1	20	79-122	
Ethylbenzene	133	10.0	129	0	129	0	0	20	86-116	M3
Xylene (total)	25.8	30.0	54.5	96	53.4	92	2	20	85-117	
Styrene	0.69	10.0	9.7	90	9.6	89	1	20	84-119	
Bromoform		10.0	8.0	80	7.6	76	5	20	71-133	
Isopropylbenzene	56.5	10.0	63.5	70	63.4	69	0	20	77-117	M3
1,1,2,2-Tetrachloroethane		10.0	10.3	103	9.8	98	5	20	80-117	
Bromobenzene		10.0	10.4	104	10.1	101	3	20	84-120	
1,2,3-Trichloropropane		10.0	10.9	109	10.7	107	2	20	81-122	
n-Propylbenzene	61.4	10.0	71.5	101	70.2	88	2	20	87-117	M3
2-Chlorotoluene		10.0	10.4	104	10.0	100	4	20	87-119	
1,3,5-Trimethylbenzene	10.8	10.0	19.5	87	19.3	85	1	20	83-120	

Comments:

ORGANIC ANALYSES DATA SHEET 9
HOLDING TIMES

Analytical Method: SW8260

AAB #: D0602066

Lab Name: Columbia Analytical Services/Redding

[illegible]

Comments:

ORGANIC ANALYSES DATA SHEET 10
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: SW8260 AAB #: D0602066

Lab Name: Columbia Analytical Services/Redding

Instrument ID #: MSM DB-624

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Laboratory File ID	Date Analysis Started	Time Analysis Started	Date Analysis Completed	Time Analysis Completed
VSTD00.5	M065370	12/05/06	1545	12/05/06	1605
VSTD001	M065371	12/05/06	1606	12/05/06	1626
VSTD005	M065372	12/05/06	1628	12/05/06	1648
VSTD010	M065373	12/05/06	1649	12/05/06	1709
VSTD020	M065374	12/05/06	1711	12/05/06	1731
VSTD050	M065375	12/05/06	1732	12/05/06	1752
VSTD100	M065376	12/05/06	1754	12/05/06	1814
VSTD150	M065377	12/05/06	1815	12/05/06	1835
QCALTSTD4	M065380	12/05/06	1920	12/05/06	1940
VSTD10M	M065584	12/18/06	1141	12/18/06	1201
M1218W01LCS	M065585A	12/18/06	1202	12/18/06	1222
M1218W01LCSD	M065586A	12/18/06	1224	12/18/06	1244
M1218W01	M065589A	12/18/06	1328	12/18/06	1348
ASE-116A-6D2	M065601	12/18/06	1808	12/18/06	1828
ASE-111A-6D2	M065602	12/18/06	1829	12/18/06	1849
ASE-115A-6D2	M065603	12/18/06	1851	12/18/06	1911
ASE-115A-6D2MS	M065604	12/18/06	1912	12/18/06	1932
ASE-115A-6D2MSD	M065605	12/18/06	1934	12/18/06	1954
VSTD10M	M065627	12/20/06	1147	12/20/06	1207
M1220W01LCS	M065628	12/20/06	1209	12/20/06	1229
M1220W01LCSD	M065629	12/20/06	1230	12/20/06	1250
M1220W01	M065632	12/20/06	1334	12/20/06	1354
TB-121406	M065633	12/20/06	1459	12/20/06	1519
ASE-116A-6D2DL	M065635	12/20/06	1541	12/20/06	1601
ASE-115A-6D2DL	M065636	12/20/06	1603	12/20/06	1623

Comments:

ORGANIC ANALYSES DATA SHEET APPENDIX A
SURROGATE RESULTS

Analytical Method: SW8260

AAB #: D0602066

Lab Name: Columbia Analytical Services/Redding

Matrix: Water

[illegible]

S1:	4-Bromofluorobenzene - SS	82-124
S2:	Dibromofluoromethane - SS	84-127
S3:	Toluene-d8 - SS	80-117

Comments:

HPLC POLYNUCLEAR AROMATIC HYDROCARBONS

ORGANIC ANALYSES DATA PACKAGE

Analytical Method: SW8310

AAB #: D0602066

Lab Name: Columbia Analytical Services/Redding

Base/Command: HONEYWELL SKY HARBOR

Project: Sky Harbor

Field Sample ID

Lab Sample ID

ASE-116A-6D2

D0602066-002

ASE-116A-6D2DL

D0602066-002DL

ASE-115A-6D2

D0602066-004

ASE-115A-6D2DL

D0602066-004DL

ASE-115A-6D2DLMS

D0602066-004DLMS

ASE-115A-6D2DLMSD

D0602066-004DLMSD

ASE-115A-6D2MS

D0602066-004MS

ASE-115A-6D2MSD

D0602066-004MSD

Comments:

I certify this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature:

Name: Sylvia Chen

Date: 12/23/06

Title: Scientist

RDD-061222:SC:BS-1416PST-SR:D0602066-D0602066-K

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8310 Preparatory Method: SW3520 AAB #: D0602066

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-116A-6D2 Lab Sample ID: D0602066-002 Matrix: Water

% Solids: _____ Initial Calibration ID: 11/02/06LCI

Date Received: 12/14/06 Date Extracted: 12/19/06 Date Analyzed: 12/20/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 1.050 L

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Naphthalene	0.048	0.50	79	1	77	
Fluorene	0.0100	0.10	0.16	1	0.33	C6
Phenanthrene	0.0066	0.10	ND	1		
Anthracene	0.0051	0.10	ND	1		
Fluoranthene	0.0074	0.10	ND	1		
Pyrene	0.0100	0.10	ND	1		
Benzo(a)anthracene	0.016	0.10	ND	1		
Chrysene	0.014	0.10	ND	1		
Benzo(b)fluoranthene	0.0084	0.10	ND	1		
Benzo(k)fluoranthene	0.011	0.10	ND	1		
Benzo(a)pyrene	0.014	0.10	ND	1		
Dibenzo(a,h)anthracene	0.017	0.10	ND	1		V8
Benzo(g,h,i)perylene	0.016	0.10	ND	1		
Indeno(1,2,3-c,d)pyrene	0.016	0.10	ND	1		
Acenaphthylene	0.19	1.0	ND	1		
Acenaphthene	0.058	0.50	ND	1		

Surrogate	Recovery	Control Limits	Qualifier
Terphenyl-d14 - SS	92	25-157	

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8310 Preparatory Method: SW3520 AAB #: D0602066

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-116A-6D2DL Lab Sample ID: D0602066-002DL Matrix: Water

% Solids: _____ Initial Calibration ID: 11/02/06LCI

Date Received: 12/14/06 Date Extracted: 12/19/06 Date Analyzed: 12/20/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 1.050 L

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Naphthalene	0.14	1.5	74	3	72	D2
Fluorene	0.030	0.30	ND	3		D2
Phenanthrene	0.020	0.30	ND	3		D2
Anthracene	0.015	0.30	ND	3		D2
Fluoranthene	0.022	0.30	ND	3		D2
Pyrene	0.030	0.30	ND	3		D2
Benzo(a)anthracene	0.048	0.30	ND	3		D2
Chrysene	0.042	0.30	ND	3		D2
Benzo(b)fluoranthene	0.025	0.30	ND	3		D2
Benzo(k)fluoranthene	0.033	0.30	ND	3		D2
Benzo(a)pyrene	0.042	0.30	ND	3		D2
Dibenzo(a,h)anthracene	0.051	0.30	ND	3		D2
Benzo(g,h,i)perylene	0.048	0.30	ND	3		D2
Indeno(1,2,3-c,d)pyrene	0.048	0.30	ND	3		D2V7
Acenaphthylene	0.57	3.0	ND	3		D2
Acenaphthene	0.17	1.5	ND	3		D2

Surrogate	Recovery	Control Limits	Qualifier
Terphenyl-d14 - SS	87	25-157	

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8310 Preparatory Method: SW3520 AAB #: D0602066

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-115A-6D2 Lab Sample ID: D0602066-004 Matrix: Water

% Solids: _____ Initial Calibration ID: 11/02/06LCI

Date Received: 12/14/06 Date Extracted: 12/19/06 Date Analyzed: 12/20/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 1.050 L

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Naphthalene	0.048	0.50	150	1	160	
Fluorene	0.0100	0.10	0.31	1	0.78	C6
Phenanthrene	0.0066	0.10	ND	1		
Anthracene	0.0051	0.10	ND	1		
Fluoranthene	0.0074	0.10	ND	1		
Pyrene	0.0100	0.10	ND	1		
Benzo(a)anthracene	0.016	0.10	ND	1		
Chrysene	0.014	0.10	ND	1		
Benzo(b)fluoranthene	0.0084	0.10	ND	1		
Benzo(k)fluoranthene	0.011	0.10	ND	1		
Benzo(a)pyrene	0.014	0.10	ND	1		
Dibenzo(a,h)anthracene	0.017	0.10	ND	1		V8
Benzo(g,h,i)perylene	0.016	0.10	ND	1		
Indeno(1,2,3-c,d)pyrene	0.016	0.10	ND	1		
Acenaphthylene	0.19	1.0	5.4	1		C1
Acenaphthene	0.058	0.50	ND	1		

Surrogate	Recovery	Control Limits	Qualifier
Terphenyl-d14 - SS	87	25-157	

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8310 Preparatory Method: SW3520 AAB #: D0602066

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-115A-6D2DL Lab Sample ID: D0602066-004DL Matrix: Water

% Solids: _____ Initial Calibration ID: 11/02/06LCI

Date Received: 12/14/06 Date Extracted: 12/19/06 Date Analyzed: 12/20/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 1.050 L

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Naphthalene	0.24	2.5	160	5	160	D2
Fluorene	0.050	0.50	0.19	5		D2E4
Phenanthrene	0.033	0.50	ND	5		D2
Anthracene	0.026	0.50	ND	5		D2
Fluoranthene	0.037	0.50	ND	5		D2
Pyrene	0.050	0.50	ND	5		D2
Benzo(a)anthracene	0.080	0.50	ND	5		D2
Chrysene	0.070	0.50	ND	5		D2
Benzo(b)fluoranthene	0.042	0.50	ND	5		D2
Benzo(k)fluoranthene	0.055	0.50	ND	5		D2
Benzo(a)pyrene	0.070	0.50	ND	5		D2
Dibenzo(a,h)anthracene	0.085	0.50	ND	5		D2
Benzo(g,h,i)perylene	0.080	0.50	ND	5		D2
Indeno(1,2,3-c,d)pyrene	0.080	0.50	ND	5		D2V7
Acenaphthylene	0.95	5.0	5.3	5		D2C1
Acenaphthene	0.29	2.5	ND	5		D2

Surrogate	Recovery	Control Limits	Qualifier
Terphenyl-d14 - SS	87	25-157	

Comments:

ORGANIC ANALYSES DATA SHEET 6
BLANKS

Analytical Method: SW8310

AAB #: D0602066

Lab Name: Columbia Analytical Services/Redding

Concentration Units (ug/L or mg/kg): UG/L Method Blank ID: NWB11219

Lab Sample ID: NWB11219

Initial Calibration ID: 11/02/06LCI

Analyte	MDL	Method Blank	RL	Q
Naphthalene	0.048	ND	0.50	
Fluorene	0.0100	ND	0.10	
Phenanthrene	0.0066	ND	0.10	
Anthracene	0.0051	ND	0.10	
Fluoranthene	0.0074	ND	0.10	
Pyrene	0.0100	ND	0.10	
Benzo(a)anthracene	0.016	ND	0.10	
Chrysene	0.014	ND	0.10	
Benzo(b)fluoranthene	0.0084	ND	0.10	
Benzo(k)fluoranthene	0.011	ND	0.10	
Benzo(a)pyrene	0.014	ND	0.10	
Dibenzo(a,h)anthracene	0.017	ND	0.10	V8
Benzo(g,h,i)perylene	0.016	ND	0.10	
Indeno(1,2,3-c,d)pyrene	0.016	ND	0.10	
Acenaphthylene	0.19	ND	1.0	
Acenaphthene	0.058	ND	0.50	

Surrogate	Recovery	Control Limits	Qualifier
Terphenyl-d14 - SS	74	25-157	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: SW8310

AAB #: D0602066

Lab Name: Columbia Analytical Services/Redding

LCS ID: NWB11219LCS

Concentration Units (ug/L or mg/kg): UG/L

Date Extracted: 12/19/06

Date Analyzed: 12/20/06

Initial Calibration ID: 11/02/06LCI

Analyte	Expected	Found	%R	Control Limits	Q
Naphthalene	20.00	16.39	82	33-120	
Fluorene	4.000	3.732	93	53-125	
Phenanthrene	2.000	1.830	92	40-120	
Anthracene	2.000	1.779	89	54-125	
Fluoranthene	2.000	1.964	98	42-125	
Pyrene	2.000	2.125	106	55-125	
Benzo(a)anthracene	2.000	1.843	92	39-135	
Chrysene	2.000	1.948	97	59-134	
Benzo(b)fluoranthene	2.000	1.814	91	31-137	
Benzo(k)fluoranthene	2.000	1.862	93	60-129	
Benzo(a)pyrene	2.000	1.814	91	52-125	
Dibenzo(a,h)anthracene	4.000	3.462	87	51-125	V8
Benzo(g,h,i)perylene	4.000	3.738	93	34-120	
Indeno(1,2,3-c,d)pyrene	2.000	2.055	103	55-125	
Acenaphthene	20.00	16.52	83	43-130	
Acenaphthylene	40.00	32.45	81	40-121	

Surrogate	Recovery	Control Limits	Qualifier
Terphenyl-d14 - SS	85	25-157	

Comments:

ORGANIC ANALYSES DATA SHEET 10
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: SW8310 AAB #: D0602066

Lab Name: Columbia Analytical Services/Redding

Instrument ID #: LCI FL

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Laboratory File ID	Date Analysis Started	Time Analysis Started	Date Analysis Completed	Time Analysis Completed
KSTD1	I1102006	11/02/06	1334	11/02/06	1404
KSTD2	I1102007	11/02/06	1405	11/02/06	1435
KSTD3	I1102008	11/02/06	1436	11/02/06	1506
KSTD4	I1102009	11/02/06	1506	11/02/06	1536
KSTD5	I1102010	11/02/06	1537	11/02/06	1607
QCALTSTD3	I1102011	11/02/06	1608	11/02/06	1638
KSTD3	I1220005	12/20/06	1316	12/20/06	1346
NWB11219	I1220007	12/20/06	1546	12/20/06	1616
NWB11219LCS	I1220008	12/20/06	1617	12/20/06	1647
ASE-116A-6D2	I1220009	12/20/06	1647	12/20/06	1717
ASE-115A-6D2	I1220010	12/20/06	1718	12/20/06	1748
ASE-115A-6D2MS	I1220011	12/20/06	1749	12/20/06	1819
ASE-115A-6D2MSD	I1220012	12/20/06	1819	12/20/06	1849
KSTD4	I1220013	12/20/06	1850	12/20/06	1920
ASE-115A-6D2DL	I1220015	12/20/06	2013	12/20/06	2043
ASE-115A-6D2DLMS	I1220016	12/20/06	2043	12/20/06	2113
ASE-115A-6D2DLMSD	I1220017	12/20/06	2114	12/20/06	2144
ASE-116A-6D2DL	I1220018	12/20/06	2145	12/20/06	2215
KSTD3	I1220019	12/20/06	2215	12/20/06	2245

Comments:

ORGANIC ANALYSES DATA SHEET 10
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: SW8310 AAB #: D0602066

Lab Name: Columbia Analytical Services/Redding

Instrument ID #: LCI UV

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Laboratory File ID	Date Analysis Started	Time Analysis Started	Date Analysis Completed	Time Analysis Completed
KSTD1	I1102006	11/02/06	1334	11/02/06	1404
KSTD2	I1102007	11/02/06	1405	11/02/06	1435
KSTD3	I1102008	11/02/06	1436	11/02/06	1506
KSTD4	I1102009	11/02/06	1506	11/02/06	1536
KSTD5	I1102010	11/02/06	1537	11/02/06	1607
QCALTSTD3	I1102011	11/02/06	1608	11/02/06	1638
KSTD3	I1220005	12/20/06	1316	12/20/06	1346
NWB11219	I1220007	12/20/06	1546	12/20/06	1616
NWB11219LCS	I1220008	12/20/06	1617	12/20/06	1647
ASE-116A-6D2	I1220009	12/20/06	1647	12/20/06	1717
ASE-115A-6D2	I1220010	12/20/06	1718	12/20/06	1748
ASE-115A-6D2MS	I1220011	12/20/06	1749	12/20/06	1819
ASE-115A-6D2MSD	I1220012	12/20/06	1819	12/20/06	1849
KSTD4	I1220013	12/20/06	1850	12/20/06	1920
ASE-115A-6D2DL	I1220015	12/20/06	2013	12/20/06	2043
ASE-115A-6D2DLMS	I1220016	12/20/06	2043	12/20/06	2113
ASE-115A-6D2DLMSD	I1220017	12/20/06	2114	12/20/06	2144
ASE-116A-6D2DL	I1220018	12/20/06	2145	12/20/06	2215
KSTD3	I1220019	12/20/06	2215	12/20/06	2245

Comments:

ORGANIC ANALYSES DATA SHEET APPENDIX A
SURROGATE RESULTS

Analytical Method: SW8310

AAB #: D0602066

Lab Name: Columbia Analytical Services/ReddingMatrix: Water[illegible]

S1: Terphenyl-d14 - SS

25-157

Comments:

December 29, 2006

Service Request No: D0602089

Shane Lowe
CH2M Hill
2625 S. Plaza Drive
Suite 300
Tempe, AZ 85282

RE: Sky Harbor/2959482

Dear Shane:

Enclosed are the results of the sample(s) submitted to our laboratory on December 15, 2006. For your reference, these analyses have been assigned our service request number D0602089.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAP standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please call if you have any questions. My extension is 105. You may also contact me via email at MFesler@redding.caslab.com.

Respectfully submitted,

Columbia Analytical Services, Inc.



Mark Fesler
Project Chemist

CC: Terri Krauss

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Current CAS Redding Accreditation Programs

Federal and National Programs

- U.S Air Force, Air Force Center for Environmental Excellence (AFCEE)
Approved laboratory for Wastewater and Hazardous Waste
- U.S. Army Corps of Engineers – MRD, HTRW Mandatory Center of Expertise
Validated for Wastewater and Hazardous Waste
- Department of the Navy, Naval Facilities Engineering Service Center (NFESC)
Approved laboratory for Wastewater and Hazardous Waste

State and Local Programs

- State of Alaska, Department of Environmental Conservation
Approved Laboratory for Contaminated Sites
Lab ID UST-001
- State of Arizona, Department of Health Services, Office of Laboratory Licensure
Approved Laboratory for Drinking Water, Wastewater, and Hazardous Waste
Lab ID AZ0604
- State of California, Department of Health Services, National Environmental Laboratory Accreditation Program (NELAP)
Approved Laboratory for Drinking Water, Wastewater and Hazardous Waste
Lab ID 01105CA
 - Los Angeles County Sanitation District
Approved Laboratory for Wastewater
Lab ID 10243
- State of California, Department of Health Services, Environmental Laboratory Accreditation Program (ELAP)
Approved Laboratory for Microbiology of Drinking Water and Wastewater
Lab ID 2635
- State of Florida, Department of Health, Bureau of Laboratories (NELAP)
Approved Environmental Testing Laboratory for Wastewater and Hazardous Waste
Lab ID E87203
- State of Kansas, Department of Health and Environment (NELAP)
Approved Laboratory for Hazardous Waste
Lab ID E-10323
- State of Massachusetts, Department of Environmental Protection
Approved laboratory for Drinking Water and Wastewater
Lab ID M-CA025
- State of Oklahoma, Department of Environmental Quality
Approved Laboratory for General Water Quality/Sludge Testing
Lab ID 9952
- State of Oregon, Environmental Laboratory Accreditation Program (ORELAP)
Approved Laboratory for Drinking Water, Wastewater, and Hazardous Waste
Lab ID CA200004
- State of Utah, Department of Health, Bureau of Laboratory Improvement (NELAP)
Approved Laboratory for Wastewater and Hazardous Waste
Lab ID QUAL1
- State of Washington, Department of Ecology
Approved Laboratory for Wastewater and Hazardous Waste
Lab ID C1234
- State of Wisconsin, Department of Natural Resources
Approved Laboratory for Wastewater and Hazardous Waste
Lab ID 999767340

Arizona Data Qualifiers

Revision 2.0, 11/26/2003

Developed by the Sub-committee of the
Arizona Environmental Laboratory Advisory Committee

Microbiology:

- A1 = Too numerous to count.
- A2 = Sample incubation period exceeded method requirement.
- A3 = Sample incubation period was shorter than method requirement.
- A4 = Target organism detected in associated method blank.
- A5 = Incubator/water bath temperature was outside method requirements.
- A6 = Target organism not detected in associated positive control.
- A7 = Micro sample received without adequate headspace.

Method/calibration blank:

- B1 = Target analyte detected in method blank at or above the method reporting limit.
- B2 = Non-target analyte detected in method blank and sample, producing interference.
- B3 = Target analyte detected in calibration blank at or above the method reporting limit.
- B4 = Target analyte detected in blank at/above method acceptance criteria.
- B5 = Target analyte detected in method blank at or above the method reporting limit, but below trigger level or MCL.
- B6 = Target analyte detected in calibration blank at or above the method reporting limit, but below trigger level or MCL.
- B7 = Target analyte detected in method blank at or above method reporting limit. Concentration found in the sample was 10 times above the concentration found in the method blank.

Confirmation:

- C1 = Confirmatory analysis not performed as required by the method.
- C3 = Qualitative confirmation performed.
- C4 = Confirmatory analysis was past holding time.
- C5 = Confirmatory analysis was past holding time. Original result not confirmed.
- C6 = Sample RPD between the primary and confirmatory analysis exceeded 40%. Per EPA Method 8000B, the higher value was reported as there was no obvious chromatographic interference.
- C7 = Sample RPD between the primary and confirmatory analysis exceeded 40%. Per EPA Method 8000B, the lower value was reported due to apparent chromatographic interference.

Dilution:

- D1 = Sample required dilution due to matrix.
- D2 = Sample required dilution due to high concentration of target analyte.
- D3 = Sample dilution required due to insufficient sample.
- D4 = Minimum reporting level (MRL) adjusted to reflect sample amount received and analyzed.

Estimated concentration:

- E1 = Concentration estimated. Analyte exceeded calibration range. Reanalysis not possible due to insufficient sample.
- E2 = Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to sample matrix.
- E3 = Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to holding time requirements.

Arizona Data Qualifiers
Revision 2.0, 11/26/2003

- E4 = Concentration estimated. Analyte was detected below laboratory minimum reporting level (MRL).
- E5 = Concentration estimated. Analyte was detected below laboratory minimum reporting level (MRL), but not confirmed by alternate analysis.
- E6 = Concentration estimated. Internal standard recoveries did not meet method acceptance criteria.
- E7 = Concentration estimated. Internal standard recoveries did not meet laboratory acceptance criteria.
- E8 = Analyte reported to MDL per project specification. Target analyte was not detected in the sample.

Hold time:

- H1 = Sample analysis performed past holding time.
- H2 = Initial analysis within holding time. Reanalysis for the required dilution was past holding time.
- H3 = Sample was received and analyzed past holding time.
- H4 = Sample was extracted past required extraction holding time, but analyzed within analysis holding time.

BOD:

- K1 = The sample dilutions set-up for the BOD analysis did not meet the oxygen depletion criteria of at least 2 mg/L. Any reported result is an estimated value.
- K2 = The sample dilutions set up for the BOD analysis did not meet the criteria of a residual dissolved oxygen of at least 1 mg/L. Any reported result is an estimated value.
- K4 = The seed depletion was outside the method acceptance limits. The reported result is an estimated value.
- K5 = The dilution water D.O. depletion was > 0.2 mg/L.
- K6 = Glucose/glutamic acid BOD was below method acceptance criteria.
- K7 = A discrepancy between the BOD and COD results has been verified by reanalysis of the sample for COD.
- K8 = Glucose/glutamic acid BOD was above method acceptance levels.

Laboratory fortified blank/blank spike:

- L1 = The associated blank spike recovery was above laboratory acceptance limits.
- L2 = The associated blank spike recovery was below laboratory acceptance limits.
- L3 = The associated blank spike recovery was above method acceptance limits.
- L4 = The associated blank spike recovery was below method acceptance limits.

Matrix spike:

- M1 = Matrix spike recovery was high, the method control sample recovery was acceptable.
- M2 = Matrix spike recovery was low, the method control sample recovery was acceptable.
- M3 = The accuracy of the spike recovery value is reduced since the analyte concentration in the sample is disproportionate to spike level. The method control sample recovery was acceptable.
- M4 = The analysis of the spiked sample required a dilution such that the spike concentration was diluted below the reporting limit. The method control sample recovery was acceptable.
- M5 = Analyte concentration was determined by the method of standard addition (MSA).

Arizona Data Qualifiers
Revision 2.0, 11/26/2003

M6 = Matrix spike recovery was high. Data reported per ADEQ policy 0154.000.
M7 = Matrix spike recovery was low. Data reported per ADEQ policy 0154.000.

General:

N1 = See case narrative.
N2 = See corrective action report.
N3 = The analysis meets all method requirements. See case narrative.

Sample quality:

Q1 = Sample integrity was not maintained. See case narrative.
Q2 = Sample received with headspace.
Q3 = Sample received with improper chemical preservation.
Q4 = Sample received and analyzed without chemical preservation.
Q5 = Sample received with inadequate chemical preservation, but preserved by the laboratory.
Q6 = Sample was received above recommended temperature.
Q7 = Sample inadequately dechlorinated.
Q8 = Insufficient sample received to meet method QC requirements. Batch QC requirements satisfies ADEQ policies 0154 and 0155.
Q9 = Insufficient sample received to meet method QC requirements.
Q10 = Sample received in inappropriate sample container.
Q11 = Sample is heterogeneous. Sample homogeneity could not be readily achieved using routine laboratory practices.

Duplicates:

R1 = RPD exceeded the method control limit. See case narrative.
R2 = RPD exceeded the laboratory control limit. See case narrative.
R4 = MS/MSD RPD exceeded the method control limit. Recovery met acceptance criteria.
R5 = MS/MSD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.
R6 = LFB/LFBD RPD exceeded the method control limit. Recovery met acceptance criteria.
R7 = LFB/LFBD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.
R8 = Sample RPD exceeded the method control limit.
R9 = Sample RPD exceeded the laboratory control limit.
R10 = Sample RPD between the primary and confirmatory analysis exceeded 40%. Per EPA Method 8000B, the lower value was reported due to apparent chromatographic problems.
R11 = The RPD calculation for MS/MSD does not provide useful information due to the varying sample weights when Encore samplers/methanol field preserved samples are used.

Surrogate:

S1 = Surrogate recovery was above laboratory acceptance limits, but within method acceptance limits.
S3 = Surrogate recovery was above laboratory acceptance limits, but within method acceptance limits. No target analytes were detected in the sample.
S4 = Surrogate recovery was above laboratory and method acceptance limits. No target analytes were detected in the sample.
S5 = Surrogate recovery was below laboratory acceptance limits, but within method acceptance limits.
S6 = Surrogate recovery was below laboratory and method acceptance limits. Reextraction and/or reanalysis confirms low recovery caused by matrix effect.

Arizona Data Qualifiers
Revision 2.0, 11/26/2003

- S7 = Surrogate recovery was below laboratory and method acceptance limits. Unable to confirm matrix effect.
- S8 = The analysis of the sample required a dilution such that the surrogate recovery calculation does not provide any useful information. The method control sample recovery was acceptable.
- S10 = Surrogate recovery was above laboratory and method acceptance limits. See Case narrative.
- S11 = Surrogate recovery was high. Data reported per ADEQ policy 0154.000.
- S12 = Surrogate recovery was low. Data reported per ADEQ policy 0154.000.

Method/analyte discrepancies:

- T1 = Method approved by EPA, but not yet licensed by ADHS.
- T2 = Cited ADHS licensed method does not contain this analyte as part of method compound list.
- T3 = Method not promulgated either by EPA or ADHS.
- T4 = Tentatively identified compound. Concentration is estimated and based on the closest internal standard.

Calibration verification:

- V1 = CCV recovery was above method acceptance limits. This target analyte was not detected in the sample.
- V2 = CCV recovery was above method acceptance limits. This target analyte was detected in the sample. The sample could not be reanalyzed due to insufficient sample.
- V3 = CCV recovery was above method acceptance limits. This target analyte was detected in the sample, but the sample was not reanalyzed. See case narrative.
- V4 = CCV recovery was below method acceptance limits. The sample could not be reanalyzed due to insufficient sample.
- V5 = CCV recovery after a group of samples was above acceptance limits. This target analyte was not detected in the sample. Acceptable per EPA Method 8000B.
- V6 = Data reported from one-point calibration criteria per ADEQ policy 0155.000.
- V7 = Calibration verification recovery was above the method control limit for this analyte, however the average % difference or % drift for all the analytes met method criteria.
- V8 = Calibration verification recovery was below the method control limit for this analyte, however the average % difference or % drift for all the analytes met method criteria.

Calibration:

- W1 = The % RSD for this compound was above 20%. The average % RSD for all compounds in the calibration met the 20% criteria as specified in EPA method 8000B.
- W2 = The % RSD for this compound was above 15%. The average % RSD for all compounds in the calibration met the 15% criteria as specified in EPA method 8260B/8270C.

Client:
Project: Sky Harbor/2959482

Service Request: D0602089

SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
D0602089-001	TB-121306	12/14/06	06:00
D0602089-002	ASE-41A-6D2	12/14/06	07:21
D0602089-003	ASE-92A-6D2	12/14/06	08:04
D0602089-004	ASE-91A-6D2	12/14/06	08:39
D0602089-005	PL-105A-6D2	12/14/06	09:19
D0602089-006	ASE-108A-6D2	12/14/06	09:54
D0602089-007	PL-505-6D2	12/14/06	10:04
D0602089-008	ASE-55A-6D2	12/14/06	10:38
D0602089-009	ASE-62A-6D2	12/14/06	11:26

CASE NARRATIVE

COLUMBIA ANALYTICAL SERVICES, INC.

Client: Honeywell International, Incorporated
Project: Sky Harbor
Sample Matrix: Aqueous

Service Request No.: D0602089
Date Received: 12/15/06

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier II data deliverables.

Sample Receipt

9 Aqueous samples were received for analysis at Columbia Analytical Services on 12/15/06.

No discrepancies were noted upon initial sample inspection. The samples were received in good condition and consistent with the accompanying chain of custody form. The samples were stored in a refrigerator at 4 degrees Celsius upon receipt at the laboratory.

TPH Diesel and Motor Oil by EPA Method 8015B

Elevated Method Reporting Limits:

Sample ASE-55A-6D2 required dilution due to the presence of elevated levels of target analyte. The reporting limits are adjusted to reflect the dilution.

Other:

Batch QC was run along with these samples. These results have been provided for informational purposes only. The Method Blank and Laboratory Control Samples were within control criteria. No anomalies were encountered during this analysis.

Volatile Organic Compounds by EPA Method 8260B

Elevated Method Reporting Limits:

Sample ASE-92A-6D2 required a dilution due to the presence of elevated levels of Tert-butylmethylether. The reporting limits are adjusted to reflect the dilution.

Approved by: 

Date: 12/29/06

CHAIN OF CUSTODY DOCUMENTATION

Transwest Geochem

3725 E Atlanta Ave
Phoenix, AZ 85040
Phone 602-437-0330

Client Contact: (name, co., address)

Jennifer Holland

CH2M HILL

2625 South Plaza Dr STE 300

Tempe, AZ 85282

480-377-6287

Chain Of Custody / Analysis Request

R. Randall

Sampler: M. Wiese

Project Number: 2959460

Analysis Turnaround Time:

24 Hour - ☐

7 Day - ☐

14 Day - ☐

21 Day - ☐

28 Day - ☐

Site Name: Sky Harbor AZ

Location of Site: Phoenix, AZ

COC #: 37380-061213A

Page 1 of 1

Lab Use Only

Project No:

Job No.

Sample Identification

Field Sample ID

Location ID

Sample Date

Sample Time

Sample Type

Matrix

of Cont.

Preservation Used

Use for MS / MSD

Unfiltered Sample

SW8015M

SW8260

SW8310

Lab Sample Numbers

Lab Sample Numbers

Special Instructions: Standard TAT 10 days.

Relinquished by: *Rick Randall*

Company: *Morgan + Assoc.*

Date/Time: *12/14/06 12:13*

Received by: *UPS*

Company: *TCI*

Date/Time: *12/15/06 10:00*

Received by: *JOEL R. JOHNSON*

Company: *CAS*

Date/Time: *12/15/06 10:00*

Received by: *JOEL R. JOHNSON*

Company: *CAS*

Date/Time: *12/15/06 10:00*

COOLER RECEIPT FORM

Project/Client: HONEYWELL Batch No.: _____
1. Cooler(s)/Sample(s) received on: 12/13/06 Shipped via: UPS
Shipping Bill # (s): _____ # of Coolers/Packages 1
2. Radiological Screening by: J. JOHNSON Acceptable Rejected
3. Custody seals on outside of cooler: YES NO N/A
If yes, where? Front _____ Rear _____ Lt Side _____ Rt Side _____
Seals intact: YES NO

COOLER/SAMPLE PROCESSING

4. Sample Processing/Tagging by: Joe Johnson
5. Cooler(s)/Sample(s) Temp's: 10C
(or)
Temp. Blank (if included): _____
6. Type of packing material (circle): Ice Blue Ice Bubble Wrap Bubble Bags Zip Locks Webbing
Other: _____
7. Custody papers properly filled out (ink, signed, dated, released, etc.)? YES NO
8. Containers arrived in good condition (not broken, leaking, etc.)? YES NO
9. Samples received with adequate holding time remaining to conduct analysis? YES NO
10. Container labels complete (i.e. analysis, preservation, date/time, etc.)? YES NO
11. Container labels and tags agree with custody papers? YES NO
12. Correct types of containers used for the tests indicated?
a.) Adequate sample received? If not, note on Exception Report. YES NO
13. Containers supplied by: CAS Other
14. Preserved containers received with the appropriate preservative?
pH: VOA's @ 52 per DOE's (or) See pH log. YES NO N/A
15. VOA vials free of air bubbles? YES NO N/A
16. Trip Blank preparation date: 12-14-06 CAS Other N/A
17. Volatile Soil samples: Encores or Plugs in Vials
Freezer or GC/MS Date: _____ Time: N/A

See Exception Report for discrepancies.

TPH – Diesel and Motor Oil

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482

Service Request: D0602089

Cover Page - Organic Analysis Data Package
TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name	Lab Code	Date Collected	Date Received
ASE-41A-6D2	D0602089-002	12/14/2006	12/15/2006
ASE-92A-6D2	D0602089-003	12/14/2006	12/15/2006
ASE-91A-6D2	D0602089-004	12/14/2006	12/15/2006
PL-105A-6D2	D0602089-005	12/14/2006	12/15/2006
ASE-108A-6D2	D0602089-006	12/14/2006	12/15/2006
PL-505-6D2	D0602089-007	12/14/2006	12/15/2006
ASE-55A-6D2	D0602089-008	12/14/2006	12/15/2006
ASE-62A-6D2	D0602089-009	12/14/2006	12/15/2006

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Wida Ang

Name: WIDA ANG

Date: 12/28/06

Title: Organic Manager

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602089
Date Collected: 12/14/2006
Date Received: 12/15/2006

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: ASE-41A-6D2
Lab Code: D0602089-002
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	PQL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
C10 - C22 DRO (TPH-Diesel)	1100		480	20	1	12/20/06	12/23/06	
C22 - C32 HRO (TPH-Motor Oil)	31	J	480	30	1	12/20/06	12/23/06	E4

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Octacosane	60	26-152	12/23/06	
Tricontane	59	40-140	12/23/06	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602089
Date Collected: 12/14/2006
Date Received: 12/15/2006

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: ASE-92A-6D2
Lab Code: D0602089-003
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	PQL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
C10 - C22 DRO (TPH-Diesel)	600		480	20	1	12/20/06	12/23/06	
C22 - C32 HRO (TPH-Motor Oil)	ND	U	480	30	1	12/20/06	12/23/06	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Octacosane	70	26-152	12/23/06	
Tricontane	67	40-140	12/23/06	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602089
Date Collected: 12/14/2006
Date Received: 12/15/2006

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: ASE-91A-6D2
Lab Code: D0602089-004
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	PQL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
C10 - C22 DRO (TPH-Diesel)	610		480	20	1	12/20/06	12/23/06	
C22 - C32 HRO (TPH-Motor Oil)	ND	U	480	30	1	12/20/06	12/23/06	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Octacosane	69	26-152	12/23/06	
Tricontane	67	40-140	12/23/06	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602089
Date Collected: 12/14/2006
Date Received: 12/15/2006

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: PL-105A-6D2
Lab Code: D0602089-005
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	PQL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
C10 - C22 DRO (TPH-Diesel)	410	J	480	20	1	12/20/06	12/23/06	E4
C22 - C32 HRO (TPH-Motor Oil)	ND	U	480	30	1	12/20/06	12/23/06	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Octacosane	64	26-152	12/23/06	
Tricontane	62	40-140	12/23/06	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602089
Date Collected: 12/14/2006
Date Received: 12/15/2006

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: ASE-108A-6D2
Lab Code: D0602089-006
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	PQL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
C10 - C22 DRO (TPH-Diesel)	58	J	480	20	1	12/20/06	12/23/06	E4
C22 - C32 HRO (TPH-Motor Oil)	ND	U	480	30	1	12/20/06	12/23/06	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Octacosane	64	26-152	12/23/06	
Tricontane	62	40-140	12/23/06	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602089
Date Collected: 12/14/2006
Date Received: 12/15/2006

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: PL-505-6D2
Lab Code: D0602089-007
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	PQL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
C10 - C22 DRO (TPH-Diesel)	61	J	480	20	1	12/20/06	12/23/06	E4
C22 - C32 HRO (TPH-Motor Oil)	ND	U	480	30	1	12/20/06	12/23/06	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Octacosane	66	26-152	12/23/06	
Tricontane	65	40-140	12/23/06	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602089
Date Collected: 12/14/2006
Date Received: 12/15/2006

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: ASE-55A-6D2
Lab Code: D0602089-008
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	PQL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
C10 - C22 DRO (TPH-Diesel)	10000	D	4800	200	10	12/20/06	12/23/06	D2
C22 - C32 HRO (TPH-Motor Oil)	ND	U	4800	300	10	12/20/06	12/23/06	D2

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Octacosane	66	26-152	12/23/06	D2
Tricontane	66	40-140	12/23/06	D2

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602089
Date Collected: 12/14/2006
Date Received: 12/15/2006

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: ASE-62A-6D2
Lab Code: D0602089-009
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	PQL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
C10 - C22 DRO (TPH-Diesel)	45	J	480	20	1	12/20/06	12/23/06	E4
C22 - C32 HRO (TPH-Motor Oil)	ND	U	480	30	1	12/20/06	12/23/06	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Octacosane	68	26-152	12/23/06	
Tricontane	66	40-140	12/23/06	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Water

Service Request: D0602089
Date Collected: NA
Date Received: NA

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: Method Blank
Lab Code: DWG0601084-4
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	PQL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
C10 - C22 DRO (TPH-Diesel)	ND	U	500	20	1	12/20/06	12/22/06	
C22 - C32 HRO (TPH-Motor Oil)	ND	U	500	30	1	12/20/06	12/22/06	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Octacosane	66	26-152	12/22/06	
Tricontane	64	40-140	12/22/06	

Comments: _____

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Ground water

Service Request: D0602089

Surrogate Recovery Summary
TPH-Diesel / Motor Oil Range Organics by SW8015B

Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: PERCENT
Level: Low

<u>Sample Name</u>	<u>Lab Code</u>	<u>Sur1</u>	<u>Sur2</u>
ASE-41A-6D2	D0602089-002	60	59
ASE-92A-6D2	D0602089-003	70	67
ASE-91A-6D2	D0602089-004	69	67
PL-105A-6D2	D0602089-005	64	62
ASE-108A-6D2	D0602089-006	64	62
PL-505-6D2	D0602089-007	66	65
ASE-55A-6D2	D0602089-008	66	66
ASE-62A-6D2	D0602089-009	68	66
Method Blank	DWG0601084-4	66	64
Batch QC	D0602091-006	66	65
Batch QCMS	DWG0601084-1	99	98
Batch QCDMS	DWG0601084-2	99	98
Lab Control Sample	DWG0601084-3	104	103

Surrogate Recovery Control Limits (%)

Sur1 = Octacosane	26-152
Sur2 = Tricontane	40-140

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Water

Service Request: D0602089
Date Extracted: 12/20/2006
Date Analyzed: 12/23/2006

Matrix Spike/Duplicate Matrix Spike Summary
TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: Batch QC
Lab Code: D0602091-006
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: DWG0601084

Analyte Name	Sample Result	Batch QCMS DWG0601084-1 Matrix Spike			Batch QCDMS DWG0601084-2 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
C10 - C22 DRO (TPH-Diesel)	1100	3410	2380	97	3430	2380	98	61-143	1	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Water

Service Request: D0602089
Date Extracted: 12/20/2006
Date Analyzed: 12/23/2006

Lab Control Spike Summary
TPH-Diesel / Motor Oil Range Organics by SW8015B

Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: DWG0601084

Analyte Name	Lab Control Sample DWG0601084-3 Lab Control Spike			%Rec Limits
	Result	Expected	%Rec	
C10 - C22 DRO (TPH-Diesel)	2000	2500	80	61-143
C22 - C32 HRO (TPH-Motor Oil)	2010	2500	81	60-120

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

GC/MS VOLATILE ORGANICS

ORGANIC ANALYSES DATA PACKAGE

Analytical Method: SW8260

AAB #: D0602089

Lab Name: Columbia Analytical Services/Redding

Base/Command: HONEYWELL SKY HARBOR

Project: Sky Harbor

Field Sample ID

Lab Sample ID

TB-121306
ASE-41A-6D2
ASE-92A-6D2
ASE-92A-6D2DL
ASE-91A-6D2
PL-105A-6D2
ASE-108A-6D2
PL-505-6D2
ASE-55A-6D2
ASE-62A-6D2

D0602089-001
D0602089-002
D0602089-003
D0602089-003DL
D0602089-004
D0602089-005
D0602089-006
D0602089-007
D0602089-008
D0602089-009

Comments:

I certify this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Bm

Name: Brian Moore

Date: 12/28/06

Title: Technical Manager

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602089

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: TB-121306

Lab Sample ID: D0602089-001 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/15/06

Date Extracted:

Date Analyzed: 12/20/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	ND	1		
Vinyl chloride	0.22	1.0	ND	1		
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	ND	1		
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	ND	1		
Acetone	1.0	20	ND	1		
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	0.43	1		E4
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	ND	1		
1,1-Dichloroethane	0.12	2.0	ND	1		
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	ND	1		
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	ND	1		
1,1,1-Trichloroethane	0.14	2.0	ND	1		
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	ND	1		
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	ND	1		
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	ND	1		
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	ND	1		
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602089

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: TB-121306

Lab Sample ID: D0602089-001 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/15/06 Date Extracted: Date Analyzed: 12/20/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	ND	1		
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	ND	1		
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	ND	1		
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	ND	1		
Xylene (total)	0.14	10	ND	1		
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	ND	1		
Isopropylbenzene	0.17	2.0	ND	1		
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	ND	1		
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	ND	1		
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	ND	1		
1,2,4-Trimethylbenzene	0.13	2.0	ND	1		
sec-Butylbenzene	0.17	5.0	ND	1		
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	ND	1		
1,4-Dichlorobenzene	0.11	1.0	ND	1		
n-Butylbenzene	0.33	5.0	ND	1		
1,2-Dichlorobenzene	0.14	1.0	ND	1		
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		
Naphthalene	0.29	2.0	ND	1		
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602089

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: TB-121306

Lab Sample ID: D0602089-001 Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/15/06

Date Extracted:

Date Analyzed: 12/20/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	104	82-124	
Dibromofluoromethane - SS	102	84-127	
Toluene-d8 - SS	95	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602089

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-41A-6D2

Lab Sample ID: D0602089-002 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/15/06

Date Extracted:

Date Analyzed: 12/18/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	ND	1		
Vinyl chloride	0.22	1.0	10	1		
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	ND	1		
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	0.74	1		E4
Acetone	1.0	20	6.7	1		E4
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	59	1		
1,1-Dichloroethane	0.12	2.0	27	1		
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	11	1		
2-Butanone	0.90	10	2.0	1		E4
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	ND	1		
1,1,1-Trichloroethane	0.14	2.0	ND	1		
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	88	1		
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	0.96	1		E4
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	ND	1		
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	4.3	1		
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602089

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-41A-6D2

Lab Sample ID: D0602089-002 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/15/06

Date Extracted:

Date Analyzed: 12/18/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	0.65	1		E4
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	ND	1		
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	ND	1		
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	65	1		
Xylene (total)	0.14	10	20	1		
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	ND	1		
Isopropylbenzene	0.17	2.0	16	1		
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	19	1		
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	3.3	1		
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	0.82	1		E4
1,2,4-Trimethylbenzene	0.13	2.0	26	1		
sec-Butylbenzene	0.17	5.0	5.2	1		
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	4.3	1		
1,4-Dichlorobenzene	0.11	1.0	ND	1		
n-Butylbenzene	0.33	5.0	ND	1		
1,2-Dichlorobenzene	0.14	1.0	ND	1		
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		
Naphthalene	0.29	2.0	110	1		
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602089

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-41A-6D2

Lab Sample ID: D0602089-002 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/15/06

Date Extracted:

Date Analyzed: 12/18/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	99	82-124	
Dibromofluoromethane - SS	100	84-127	
Toluene-d8 - SS	96	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602089

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-92A-6D2

Lab Sample ID: D0602089-003

Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/15/06

Date Extracted:

Date Analyzed: 12/18/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	ND	1		
Vinyl chloride	0.22	1.0	3.7	1		
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	ND	1		
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	0.23	1		E4
Acetone	1.0	20	1.8	1		E4
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	240	1		
1,1-Dichloroethane	0.12	2.0	8.4	1		
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	3.5	1		
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	ND	1		
1,1,1-Trichloroethane	0.14	2.0	ND	1		
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	29	1		
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	1.4	1		
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	ND	1		
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	0.25	1		E4
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A

Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602089

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-92A-6D2

Lab Sample ID: D0602089-003

Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/15/06

Date Extracted: _____

Date Analyzed: 12/18/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	ND	1		
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	ND	1		
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	ND	1		
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	6.1	1		
Xylene (total)	0.14	10	2.2	1		E4
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	ND	1		
Isopropylbenzene	0.17	2.0	4.7	1		
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	5.0	1		
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	0.99	1		E4
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	0.41	1		E4
1,2,4-Trimethylbenzene	0.13	2.0	3.9	1		
sec-Butylbenzene	0.17	5.0	2.1	1		E4
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	0.83	1		E4
1,4-Dichlorobenzene	0.11	1.0	ND	1		
n-Butylbenzene	0.33	5.0	ND	1		
1,2-Dichlorobenzene	0.14	1.0	ND	1		
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		
Naphthalene	0.29	2.0	22	1		
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602089

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-92A-6D2

Lab Sample ID: D0602089-003 Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/15/06

Date Extracted: _____

Date Analyzed: 12/18/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	102	82-124	
Dibromofluoromethane - SS	99	84-127	
Toluene-d8 - SS	99	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602089

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-92A-6D2DL

Lab Sample ID: D0602089-003DL Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/15/06

Date Extracted:

Date Analyzed: 12/20/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	3.6	50	ND	10		D2
Chloromethane	2.3	50	ND	10		D2
Vinyl chloride	2.2	10	4.3	10		D2E4
Bromomethane	2.7	10	ND	10		D2
Chloroethane	2.0	50	ND	10		D2
Trichlorofluoromethane	1.4	50	ND	10		D2
1,1-Dichloroethene	1.9	20	ND	10		D2
Acetone	10	200	ND	10		D2
Carbon disulfide	1.1	50	ND	10		D2
Methylene chloride	1.5	50	ND	10		D2
Iodomethane	2.0	100	ND	10		D2
trans-1,2-Dichloroethene	1.6	20	ND	10		D2
Tert-butylmethylether	1.7	10	300	10		D2
1,1-Dichloroethane	1.2	20	8.5	10		D2E4
Vinyl acetate	8.4	250	ND	10		D2
2,2-Dichloropropane	3.3	20	ND	10		D2
cis-1,2-Dichloroethene	1.7	20	3.9	10		D2E4
2-Butanone	9.0	100	ND	10		D2
Bromochloromethane	2.5	50	ND	10		D2
Chloroform	1.4	20	ND	10		D2
1,1,1-Trichloroethane	1.4	20	ND	10		D2
1,1-Dichloropropene	1.8	20	ND	10		D2
Carbon tetrachloride	1.8	20	ND	10		D2
Benzene	1.2	10	29	10		D2
1,2-Dichloroethane	1.8	10	ND	10		D2
Trichloroethene	1.0	10	1.9	10		D2E4
1,2-Dichloropropane	1.7	20	ND	10		D2
Dibromomethane	1.8	20	ND	10		D2
Bromodichloromethane	1.7	10	ND	10		D2
cis-1,3-Dichloropropene	1.3	20	ND	10		D2
4-methyl-2-pentanone	8.5	100	ND	10		D2
Toluene	1.4	20	ND	10		D2
trans-1,3-Dichloropropene	1.9	20	ND	10		D2

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602089

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-92A-6D2DL

Lab Sample ID: D0602089-003DL Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/15/06

Date Extracted:

Date Analyzed: 12/20/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	2.2	10	ND	10		D2
Tetrachloroethene	2.2	10	ND	10		D2
1,3-Dichloropropane	1.1	20	ND	10		D2
2-Hexanone	5.8	100	ND	10		D2
Dibromochloromethane	1.5	20	ND	10		D2
1,2-Dibromoethane	1.5	20	ND	10		D2
Chlorobenzene	1.5	10	ND	10		D2
1,1,1,2-Tetrachloroethane	2.3	50	ND	10		D2
Ethylbenzene	1.5	20	6.4	10		D2E4
Xylene (total)	1.4	100	ND	10		D2
Styrene	1.6	20	ND	10		D2
Bromoform	1.8	50	ND	10		D2
Isopropylbenzene	1.7	20	4.8	10		D2E4
1,1,2,2-Tetrachloroethane	1.7	10	ND	10		D2
Bromobenzene	1.7	50	ND	10		D2
1,2,3-Trichloropropane	2.0	100	ND	10		D2
n-Propylbenzene	1.3	20	5.0	10		D2E4
2-Chlorotoluene	1.6	50	ND	10		D2
1,3,5-Trimethylbenzene	1.5	20	ND	10		D2
4-Chlorotoluene	1.6	50	ND	10		D2
tert-Butylbenzene	1.8	50	ND	10		D2
1,2,4-Trimethylbenzene	1.3	20	4.9	10		D2E4
sec-Butylbenzene	1.7	50	2.6	10		D2E4
1,3-Dichlorobenzene	1.1	10	ND	10		D2
p-Isopropyltoluene	1.0	20	ND	10		D2
1,4-Dichlorobenzene	1.1	10	ND	10		D2
n-Butylbenzene	3.3	50	ND	10		D2
1,2-Dichlorobenzene	1.4	10	ND	10		D2
1,2-Dibromo-3-chloropropane	8.1	50	ND	10		D2
1,2,4-Trichlorobenzene	3.6	50	ND	10		D2
Hexachlorobutadiene	6.0	10	ND	10		D2
Naphthalene	2.9	20	25	10		D2
1,2,3-Trichlorobenzene	3.7	50	ND	10		D2

Surrogate Recoveries are reported in Appendix O-A

Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602089

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-92A-6D2DL

Lab Sample ID: D0602089-003DL Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/15/06

Date Extracted: _____

Date Analyzed: 12/20/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	100	82-124	
Dibromofluoromethane - SS	95	84-127	
Toluene-d8 - SS	97	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602089

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-91A-6D2

Lab Sample ID: D0602089-004 Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/15/06

Date Extracted: _____

Date Analyzed: 12/18/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	0.49	1		E4
Vinyl chloride	0.22	1.0	17	1		
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	46	1		
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	ND	1		
Acetone	1.0	20	1.9	1		E4
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	64	1		
1,1-Dichloroethane	0.12	2.0	120	1		
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	2.5	1		
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	ND	1		
1,1,1-Trichloroethane	0.14	2.0	ND	1		
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	46	1		
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	0.77	1		E4
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	ND	1		
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	0.25	1		E4
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602089

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-91A-6D2

Lab Sample ID: D0602089-004 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/15/06

Date Extracted:

Date Analyzed: 12/18/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	ND	1		
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	ND	1		
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	ND	1		
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	3.8	1		
Xylene (total)	0.14	10	2.1	1		E4
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	ND	1		
Isopropylbenzene	0.17	2.0	14	1		
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	13	1		
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	0.98	1		E4
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	0.68	1		E4
1,2,4-Trimethylbenzene	0.13	2.0	4.1	1		
sec-Butylbenzene	0.17	5.0	4.9	1		E4
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	1.4	1		E4
1,4-Dichlorobenzene	0.11	1.0	ND	1		
n-Butylbenzene	0.33	5.0	ND	1		
1,2-Dichlorobenzene	0.14	1.0	ND	1		
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		
Naphthalene	0.29	2.0	43	1		
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602089

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-91A-6D2

Lab Sample ID: D0602089-004 Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/15/06

Date Extracted: _____

Date Analyzed: 12/18/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	103	82-124	
Dibromofluoromethane - SS	99	84-127	
Toluene-d8 - SS	98	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602089

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: PL-105A-6D2

Lab Sample ID: D0602089-005 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/15/06

Date Extracted:

Date Analyzed: 12/18/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	0.44	1		E4
Vinyl chloride	0.22	1.0	14	1		
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	10	1		
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	0.48	1		E4
Acetone	1.0	20	5.1	1		E4
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	0.22	1		E4
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	4.9	1		
1,1-Dichloroethane	0.12	2.0	86	1		
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	1.1	1		E4
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	ND	1		
1,1,1-Trichloroethane	0.14	2.0	ND	1		
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	22	1		
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	0.32	1		E4
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	ND	1		
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	0.21	1		E4
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602089

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: PL-105A-6D2

Lab Sample ID: D0602089-005 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/15/06

Date Extracted:

Date Analyzed: 12/18/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	ND	1		
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	ND	1		
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	ND	1		
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	3.4	1		
Xylene (total)	0.14	10	2.4	1		E4
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	ND	1		
Isopropylbenzene	0.17	2.0	13	1		
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	8.8	1		
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	0.28	1		E4
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	0.68	1		E4
1,2,4-Trimethylbenzene	0.13	2.0	1.8	1		E4
sec-Butylbenzene	0.17	5.0	5.5	1		
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	0.63	1		E4
1,4-Dichlorobenzene	0.11	1.0	ND	1		
n-Butylbenzene	0.33	5.0	ND	1		
1,2-Dichlorobenzene	0.14	1.0	ND	1		
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		
Naphthalene	0.29	2.0	51	1		
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2

RESULTS

Analytical Method: SW8260

AAB #: D0602089

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: PL-105A-6D2

Lab Sample ID: D0602089-005 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/15/06

Date Extracted:

Date Analyzed: 12/18/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	101	82-124	
Dibromofluoromethane - SS	98	84-127	
Toluene-d8 - SS	100	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602089

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-108A-6D2

Lab Sample ID: D0602089-006 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/15/06

Date Extracted:

Date Analyzed: 12/18/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	ND	1		
Vinyl chloride	0.22	1.0	3.5	1		
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	ND	1		
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	ND	1		
Acetone	1.0	20	2.1	1		E4
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	6.8	1		
1,1-Dichloroethane	0.12	2.0	21	1		
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	2.1	1		
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	0.21	1		E4
1,1,1-Trichloroethane	0.14	2.0	ND	1		
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	3.7	1		
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	3.0	1		
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	ND	1		
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	ND	1		
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602089

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-108A-6D2

Lab Sample ID: D0602089-006 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/15/06

Date Extracted:

Date Analyzed: 12/18/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	0.29	1		E4
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	ND	1		
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	ND	1		
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	2.3	1		
Xylene (total)	0.14	10	0.64	1		E4
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	ND	1		
Isopropylbenzene	0.17	2.0	2.0	1		
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	2.0	1		
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	0.25	1		E4
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	ND	1		
1,2,4-Trimethylbenzene	0.13	2.0	1.3	1		E4
sec-Butylbenzene	0.17	5.0	1.2	1		E4
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	0.31	1		E4
1,4-Dichlorobenzene	0.11	1.0	ND	1		
n-Butylbenzene	0.33	5.0	0.48	1		E4
1,2-Dichlorobenzene	0.14	1.0	ND	1		
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		
Naphthalene	0.29	2.0	6.1	1		
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2

RESULTS

Analytical Method: SW8260

AAB #: D0602089

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-108A-6D2

Lab Sample ID: D0602089-006 Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/15/06

Date Extracted: _____

Date Analyzed: 12/18/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	103	82-124	
Dibromofluoromethane - SS	99	84-127	
Toluene-d8 - SS	101	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602089

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: PL-505-6D2

Lab Sample ID: D0602089-007 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/15/06

Date Extracted:

Date Analyzed: 12/18/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	ND	1		
Vinyl chloride	0.22	1.0	3.3	1		
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	ND	1		
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	0.35	1		E4
Acetone	1.0	20	2.1	1		E4
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	6.8	1		
1,1-Dichloroethane	0.12	2.0	21	1		
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	2.1	1		
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	0.21	1		E4
1,1,1-Trichloroethane	0.14	2.0	ND	1		
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	3.7	1		
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	3.0	1		
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	ND	1		
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	ND	1		
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602089

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: PL-505-6D2

Lab Sample ID: D0602089-007

Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/15/06

Date Extracted: _____

Date Analyzed: 12/18/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	0.27	1		E4
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	ND	1		
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	ND	1		
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	2.2	1		
Xylene (total)	0.14	10	0.64	1		E4
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	ND	1		
Isopropylbenzene	0.17	2.0	2.0	1		
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	2.0	1		
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	0.24	1		E4
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	ND	1		
1,2,4-Trimethylbenzene	0.13	2.0	1.3	1		E4
sec-Butylbenzene	0.17	5.0	1.2	1		E4
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	0.29	1		E4
1,4-Dichlorobenzene	0.11	1.0	ND	1		
n-Butylbenzene	0.33	5.0	0.44	1		E4
1,2-Dichlorobenzene	0.14	1.0	ND	1		
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		
Naphthalene	0.29	2.0	5.7	1		
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A

Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2

RESULTS

Analytical Method: SW8260

AAB #: D0602089

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: PL-505-6D2

Lab Sample ID: D0602089-007 Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/15/06

Date Extracted:

Date Analyzed: 12/18/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	100	82-124	
Dibromofluoromethane - SS	98	84-127	
Toluene-d8 - SS	98	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602089

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-55A-6D2

Lab Sample ID: D0602089-008 Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/15/06

Date Extracted: _____

Date Analyzed: 12/18/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	0.46	1		E4
Vinyl chloride	0.22	1.0	0.45	1		E4
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	1.5	1		E4
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	ND	1		
Acetone	1.0	20	3.1	1		E4
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	6.2	1		
1,1-Dichloroethane	0.12	2.0	7.6	1		
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	ND	1		
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	ND	1		
1,1,1-Trichloroethane	0.14	2.0	ND	1		
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	13	1		
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	0.25	1		E4
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	ND	1		
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	0.29	1		E4
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602089

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-55A-6D2

Lab Sample ID: D0602089-008 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/15/06

Date Extracted:

Date Analyzed: 12/18/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	0.31	1		E4
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	ND	1		
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	ND	1		
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	9.2	1		
Xylene (total)	0.14	10	2.7	1		E4
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	ND	1		
Isopropylbenzene	0.17	2.0	22	1		
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	25	1		
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	0.45	1		E4
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	0.81	1		E4
1,2,4-Trimethylbenzene	0.13	2.0	2.7	1		
sec-Butylbenzene	0.17	5.0	7.5	1		
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	0.58	1		E4
1,4-Dichlorobenzene	0.11	1.0	0.12	1		E4
n-Butylbenzene	0.33	5.0	4.3	1		E4
1,2-Dichlorobenzene	0.14	1.0	ND	1		
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		
Naphthalene	0.29	2.0	55	1		
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602089

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-55A-6D2

Lab Sample ID: D0602089-008 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/15/06

Date Extracted:

Date Analyzed: 12/18/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	104	82-124	
Dibromofluoromethane - SS	100	84-127	
Toluene-d8 - SS	99	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602089

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-62A-6D2

Lab Sample ID: D0602089-009

Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/15/06

Date Extracted: _____

Date Analyzed: 12/18/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	ND	1		
Vinyl chloride	0.22	1.0	1.8	1		
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	ND	1		
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	ND	1		
Acetone	1.0	20	2.0	1		E4
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	1.8	1		
1,1-Dichloroethane	0.12	2.0	11	1		
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	0.47	1		E4
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	0.36	1		E4
1,1,1-Trichloroethane	0.14	2.0	ND	1		
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	0.91	1		E4
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	1.5	1		
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	ND	1		
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	ND	1		
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A

Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602089

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-62A-6D2

Lab Sample ID: D0602089-009

Matrix: Water

% Solids: _____

Initial Calibration ID: 12/05/06MSM

Date Received: 12/15/06

Date Extracted: _____

Date Analyzed: 12/18/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	0.27	1		E4
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	ND	1		
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	ND	1		
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	2.8	1		
Xylene (total)	0.14	10	0.75	1		E4
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	ND	1		
Isopropylbenzene	0.17	2.0	1.9	1		E4
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	2.8	1		
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	0.31	1		E4
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	ND	1		
1,2,4-Trimethylbenzene	0.13	2.0	1.5	1		E4
sec-Butylbenzene	0.17	5.0	0.99	1		E4
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	0.27	1		E4
1,4-Dichlorobenzene	0.11	1.0	ND	1		
n-Butylbenzene	0.33	5.0	ND	1		
1,2-Dichlorobenzene	0.14	1.0	ND	1		
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		
Naphthalene	0.29	2.0	6.0	1		
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602089

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-62A-6D2

Lab Sample ID: D0602089-009 Matrix: Water

% Solids:

Initial Calibration ID: 12/05/06MSM

Date Received: 12/15/06

Date Extracted:

Date Analyzed: 12/18/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	101	82-124	
Dibromofluoromethane - SS	100	84-127	
Toluene-d8 - SS	102	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

ORGANIC ANALYSES DATA SHEET 6
BLANKS

Analytical Method: SW8260

AAB #: D0602089

Lab Name: Columbia Analytical Services/Redding

Concentration Units (ug/L or mg/kg): UG/L Method Blank ID: M1218W01

Lab Sample ID: M1218W01

Initial Calibration ID: 12/05/06MSM

Analyte	MDL	Method Blank	RL	Q
Dichlorodifluoromethane	0.36	ND	5.0	
Chloromethane	0.23	ND	5.0	
Vinyl chloride	0.22	ND	1.0	
Bromomethane	0.27	ND	1.0	
Chloroethane	0.20	ND	5.0	
Trichlorofluoromethane	0.14	ND	5.0	
1,1-Dichloroethene	0.19	ND	2.0	
Acetone	1.0	ND	20	
Carbon disulfide	0.11	ND	5.0	
Methylene chloride	0.15	ND	5.0	
Iodomethane	0.20	ND	10	
trans-1,2-Dichloroethene	0.16	ND	2.0	
Tert-butylmethylether	0.17	ND	1.0	
1,1-Dichloroethane	0.12	ND	2.0	
Vinyl acetate	0.84	ND	25	
2,2-Dichloropropane	0.33	ND	2.0	
cis-1,2-Dichloroethene	0.17	ND	2.0	
2-Butanone	0.90	ND	10	
Bromochloromethane	0.25	ND	5.0	
Chloroform	0.14	0.30	2.0	E4
1,1,1-Trichloroethane	0.14	ND	2.0	
1,1-Dichloropropene	0.18	ND	2.0	
Carbon tetrachloride	0.18	ND	2.0	
Benzene	0.12	ND	1.0	
1,2-Dichloroethane	0.18	ND	1.0	
Trichloroethene	0.10	ND	1.0	
1,2-Dichloropropane	0.17	ND	2.0	
Dibromomethane	0.18	ND	2.0	
Bromodichloromethane	0.17	ND	1.0	
cis-1,3-Dichloropropene	0.13	ND	2.0	
4-methyl-2-pentanone	0.85	ND	10	
Toluene	0.14	ND	2.0	
trans-1,3-Dichloropropene	0.19	ND	2.0	

Comments:

ORGANIC ANALYSES DATA SHEET 6
BLANKS

Analytical Method: SW8260

AAB #: D0602089

Lab Name: Columbia Analytical Services/Redding

Concentration Units (ug/L or mg/kg): UG/L Method Blank ID: M1218W01

Lab Sample ID: M1218W01

Initial Calibration ID: 12/05/06MSM

Analyte	MDL	Method Blank	RL	Q
1,1,2-Trichloroethane	0.22	ND	1.0	
Tetrachloroethene	0.22	ND	1.0	
1,3-Dichloropropane	0.11	ND	2.0	
2-Hexanone	0.58	ND	10	
Dibromochloromethane	0.15	ND	2.0	
1,2-Dibromoethane	0.15	ND	2.0	
Chlorobenzene	0.15	ND	1.0	
1,1,1,2-Tetrachloroethane	0.23	ND	5.0	
Ethylbenzene	0.15	ND	2.0	
Xylene (total)	0.14	ND	10	
Styrene	0.16	ND	2.0	
Bromoform	0.18	ND	5.0	
Isopropylbenzene	0.17	ND	2.0	
1,1,2,2-Tetrachloroethane	0.17	ND	1.0	
Bromobenzene	0.17	ND	5.0	
1,2,3-Trichloropropane	0.20	ND	10	
n-Propylbenzene	0.13	ND	2.0	
2-Chlorotoluene	0.16	ND	5.0	
1,3,5-Trimethylbenzene	0.15	ND	2.0	
4-Chlorotoluene	0.16	ND	5.0	
tert-Butylbenzene	0.18	ND	5.0	
1,2,4-Trimethylbenzene	0.13	ND	2.0	
sec-Butylbenzene	0.17	ND	5.0	
1,3-Dichlorobenzene	0.11	ND	1.0	
p-Isopropyltoluene	0.10	ND	2.0	
1,4-Dichlorobenzene	0.11	ND	1.0	
n-Butylbenzene	0.33	ND	5.0	
1,2-Dichlorobenzene	0.14	ND	1.0	
1,2-Dibromo-3-chloropropane	0.81	ND	5.0	
1,2,4-Trichlorobenzene	0.36	ND	5.0	
Hexachlorobutadiene	0.60	ND	1.0	
Naphthalene	0.29	ND	2.0	
1,2,3-Trichlorobenzene	0.37	ND	5.0	

Comments:

ORGANIC ANALYSES DATA SHEET 6
BLANKS

Analytical Method: SW8260

AAB #: D0602089

Lab Name: Columbia Analytical Services/Redding

Concentration Units (ug/L or mg/kg): UG/L Method Blank ID: M1218W01

Lab Sample ID: M1218W01

Initial Calibration ID: 12/05/06MSM

Analyte	MDL	Method Blank	RL	Q

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	100	82-124	
Dibromofluoromethane - SS	99	84-127	
Toluene-d8 - SS	100	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

ORGANIC ANALYSES DATA SHEET 6
BLANKS

Analytical Method: SW8260

AAB #: D0602089

Lab Name: Columbia Analytical Services/Redding

Concentration Units (ug/L or mg/kg): UG/L

Method Blank ID: M1220W01

Lab Sample ID: M1220W01

Initial Calibration ID: 12/05/06MSM

Analyte	MDL	Method Blank	RL	Q
Dichlorodifluoromethane	0.36	ND	5.0	
Chloromethane	0.23	ND	5.0	
Vinyl chloride	0.22	ND	1.0	
Bromomethane	0.27	ND	1.0	
Chloroethane	0.20	ND	5.0	
Trichlorofluoromethane	0.14	ND	5.0	
1,1-Dichloroethene	0.19	ND	2.0	
Acetone	1.0	ND	20	
Carbon disulfide	0.11	ND	5.0	
Methylene chloride	0.15	ND	5.0	
Iodomethane	0.20	ND	10	
trans-1,2-Dichloroethene	0.16	ND	2.0	
Tert-butylmethylether	0.17	ND	1.0	
1,1-Dichloroethane	0.12	ND	2.0	
Vinyl acetate	0.84	ND	25	
2,2-Dichloropropane	0.33	ND	2.0	
cis-1,2-Dichloroethene	0.17	ND	2.0	
2-Butanone	0.90	ND	10	
Bromochloromethane	0.25	ND	5.0	
Chloroform	0.14	ND	2.0	
1,1,1-Trichloroethane	0.14	ND	2.0	
1,1-Dichloropropene	0.18	ND	2.0	
Carbon tetrachloride	0.18	ND	2.0	
Benzene	0.12	ND	1.0	
1,2-Dichloroethane	0.18	ND	1.0	
Trichloroethene	0.10	ND	1.0	
1,2-Dichloropropane	0.17	ND	2.0	
Dibromomethane	0.18	ND	2.0	
Bromodichloromethane	0.17	ND	1.0	
cis-1,3-Dichloropropene	0.13	ND	2.0	
4-methyl-2-pentanone	0.85	ND	10	
Toluene	0.14	ND	2.0	
trans-1,3-Dichloropropene	0.19	ND	2.0	

Comments:

ORGANIC ANALYSES DATA SHEET 6
BLANKS

Analytical Method: SW8260

AAB #: D0602089

Lab Name: Columbia Analytical Services/Redding

Concentration Units (ug/L or mg/kg): UG/L Method Blank ID: M1220W01

Lab Sample ID: M1220W01

Initial Calibration ID: 12/05/06MSM

Analyte	MDL	Method Blank	RL	Q
1,1,2-Trichloroethane	0.22	ND	1.0	
Tetrachloroethene	0.22	ND	1.0	
1,3-Dichloropropane	0.11	ND	2.0	
2-Hexanone	0.58	ND	10	
Dibromochloromethane	0.15	ND	2.0	
1,2-Dibromoethane	0.15	ND	2.0	
Chlorobenzene	0.15	ND	1.0	
1,1,1,2-Tetrachloroethane	0.23	ND	5.0	
Ethylbenzene	0.15	ND	2.0	
Xylene (total)	0.14	ND	10	
Styrene	0.16	ND	2.0	
Bromoform	0.18	ND	5.0	
Isopropylbenzene	0.17	ND	2.0	
1,1,2,2-Tetrachloroethane	0.17	ND	1.0	
Bromobenzene	0.17	ND	5.0	
1,2,3-Trichloropropane	0.20	ND	10	
n-Propylbenzene	0.13	ND	2.0	
2-Chlorotoluene	0.16	ND	5.0	
1,3,5-Trimethylbenzene	0.15	ND	2.0	
4-Chlorotoluene	0.16	ND	5.0	
tert-Butylbenzene	0.18	ND	5.0	
1,2,4-Trimethylbenzene	0.13	ND	2.0	
sec-Butylbenzene	0.17	ND	5.0	
1,3-Dichlorobenzene	0.11	ND	1.0	
p-Isopropyltoluene	0.10	ND	2.0	
1,4-Dichlorobenzene	0.11	ND	1.0	
n-Butylbenzene	0.33	ND	5.0	
1,2-Dichlorobenzene	0.14	ND	1.0	
1,2-Dibromo-3-chloropropane	0.81	ND	5.0	
1,2,4-Trichlorobenzene	0.36	ND	5.0	
Hexachlorobutadiene	0.60	ND	1.0	
Naphthalene	0.29	ND	2.0	
1,2,3-Trichlorobenzene	0.37	ND	5.0	

Comments:

ORGANIC ANALYSES DATA SHEET 6
BLANKS

Analytical Method: SW8260

AAB #: D0602089

Lab Name: Columbia Analytical Services/Redding

Concentration Units (ug/L or mg/kg): UG/L Method Blank ID: M1220W01

Lab Sample ID: M1220W01

Initial Calibration ID: 12/05/06MSM

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	92	82-124	
Dibromofluoromethane - SS	90	84-127	
Toluene-d8 - SS	89	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260

AAB #: D0602089

Lab Name: Columbia Analytical Services/Redding

LCS ID: M1218W01LCS

Concentration Units (ug/L or mg/kg): UG/L

Date Extracted: _____ Date Analyzed: 12/18/06

Initial Calibration ID: 12/05/06MSM

Analyte	Expected	Found	%R	Control Limits	Q
Dichlorodifluoromethane	10.0	12.1	121	27-158	
Chloromethane	10.0	10.8	108	51-137	
Vinyl chloride	10.0	10.7	107	57-137	
Bromomethane	10.0	11.5	115	44-156	
Chloroethane	10.0	11.3	113	60-140	
Trichlorofluoromethane	10.0	12.3	123	54-146	
1,1-Dichloroethene	10.0	11.0	110	70-130	
Acetone	50.0	43.4	87	55-137	
Carbon disulfide	10.0	10.0	100	50-127	
Methylene chloride	10.0	9.8	98	73-121	
Iodomethane	10.0	9.6	96	50-150	E4
trans-1,2-Dichloroethene	10.0	9.8	98	74-124	
Tert-butylmethylether	10.0	10.0	100	75-119	
1,1-Dichloroethane	10.0	9.9	99	78-121	
Vinyl acetate	10.0	11.1	111	52-129	E4
2,2-Dichloropropane	10.0	9.9	99	61-137	
cis-1,2-Dichloroethene	10.0	10.3	103	80-118	
2-Butanone	50.0	47.0	94	76-122	
Bromochloromethane	10.0	10.3	103	82-118	
Chloroform	10.0	10.1	101	73-125	
1,1,1-Trichloroethane	10.0	10.0	100	76-124	
1,1-Dichloropropene	10.0	10.2	102	80-119	
Carbon tetrachloride	10.0	10.7	107	68-135	
Benzene	10.0	10.2	102	81-119	
1,2-Dichloroethane	10.0	9.8	98	75-122	
Trichloroethene	10.0	9.9	99	79-118	
1,2-Dichloropropane	10.0	9.6	96	82-115	
Dibromomethane	10.0	10.1	101	84-116	
Bromodichloromethane	10.0	10.5	105	81-122	
cis-1,3-Dichloropropene	10.0	10.3	103	78-118	
4-methyl-2-pentanone	50.0	49.4	99	81-127	
Toluene	10.0	10.0	100	83-116	
trans-1,3-Dichloropropene	10.0	10.5	105	73-122	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260

AAB #: D0602089

Lab Name: Columbia Analytical Services/Redding

LCS ID: M1218W01LCS Concentration Units (ug/L or mg/kg): UG/L

Date Extracted: _____ Date Analyzed: 12/18/06

Initial Calibration ID: 12/05/06MSM

Analyte	Expected	Found	%R	Control Limits	Q
1,1,2-Trichloroethane	10.0	10.2	102	83-120	
Tetrachloroethene	10.0	10.7	107	82-118	
1,3-Dichloropropane	10.0	10.3	103	82-119	
2-Hexanone	50.0	48.9	98	81-130	
Dibromochloromethane	10.0	11.3	113	79-124	
1,2-Dibromoethane	10.0	10.6	106	82-116	
Chlorobenzene	10.0	10.3	103	86-114	
1,1,1,2-Tetrachloroethane	10.0	10.7	107	79-122	
Ethylbenzene	10.0	10.4	104	86-116	
Xylene (total)	30.0	31.1	104	85-117	
Styrene	10.0	10.4	104	84-119	
Bromoform	10.0	11.0	110	71-133	
Isopropylbenzene	10.0	10.7	107	77-117	
1,1,2,2-Tetrachloroethane	10.0	10.7	107	80-117	
Bromobenzene	10.0	10.5	105	84-120	
1,2,3-Trichloropropane	10.0	10.5	105	81-122	
n-Propylbenzene	10.0	10.5	105	87-117	
2-Chlorotoluene	10.0	10.6	106	87-119	
1,3,5-Trimethylbenzene	10.0	9.8	98	83-120	
4-Chlorotoluene	10.0	10.4	104	86-118	
tert-Butylbenzene	10.0	10.7	107	82-122	
1,2,4-Trimethylbenzene	10.0	10.4	104	86-121	
sec-Butylbenzene	10.0	10.8	108	84-128	
1,3-Dichlorobenzene	10.0	10.4	104	85-119	
p-Isopropyltoluene	10.0	10.3	103	84-121	
1,4-Dichlorobenzene	10.0	10.3	103	84-118	
n-Butylbenzene	10.0	9.6	96	81-123	
1,2-Dichlorobenzene	10.0	10.3	103	85-117	
1,2-Dibromo-3-chloropropane	40.0	40.8	102	67-121	
1,2,4-Trichlorobenzene	10.0	9.6	96	69-128	
Hexachlorobutadiene	10.0	10.0	100	71-135	
Naphthalene	10.0	9.9	99	60-131	
1,2,3-Trichlorobenzene	10.0	9.6	96	69-130	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260

AAB #: D0602089

Lab Name: Columbia Analytical Services/Redding

LCS ID: M1218W01LCS

Concentration Units (ug/L or mg/kg): UG/L

Date Extracted: _____

Date Analyzed: 12/18/06

Initial Calibration ID: 12/05/06MSM

Analyte	Expected	Found	%R	Control Limits	Q

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	105	82-124	
Dibromofluoromethane - SS	102	84-127	
Toluene-d8 - SS	102	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260

AAB #: D0602089

Lab Name: Columbia Analytical Services/Redding

LCS ID: M1218W01LCSD

Concentration Units (ug/L or mg/kg): UG/L

Date Extracted: _____

Date Analyzed: 12/18/06

Initial Calibration ID: 12/05/06MSM

Analyte	Expected	Found	%R	Control Limits	Q
Dichlorodifluoromethane	10.0	11.5	115	27-158	
Chloromethane	10.0	10.4	104	51-137	
Vinyl chloride	10.0	10.4	104	57-137	
Bromomethane	10.0	11.2	112	44-156	
Chloroethane	10.0	10.6	106	60-140	
Trichlorofluoromethane	10.0	12.1	121	54-146	
1,1-Dichloroethene	10.0	11.1	111	70-130	
Acetone	50.0	43.4	87	55-137	
Carbon disulfide	10.0	9.9	99	50-127	
Methylene chloride	10.0	9.6	96	73-121	
Iodomethane	10.0	9.4	94	50-150	E4
trans-1,2-Dichloroethene	10.0	9.8	98	74-124	
Tert-butylmethylether	10.0	9.8	98	75-119	
1,1-Dichloroethane	10.0	9.8	98	78-121	
Vinyl acetate	10.0	10.9	109	52-129	E4
2,2-Dichloropropane	10.0	9.8	98	61-137	
cis-1,2-Dichloroethene	10.0	10.4	104	80-118	
2-Butanone	50.0	46.9	94	76-122	
Bromochloromethane	10.0	9.9	99	82-118	
Chloroform	10.0	10.0	100	73-125	
1,1,1-Trichloroethane	10.0	9.9	99	76-124	
1,1-Dichloropropene	10.0	9.9	99	80-119	
Carbon tetrachloride	10.0	10.3	103	68-135	
Benzene	10.0	10.1	101	81-119	
1,2-Dichloroethane	10.0	9.5	95	75-122	
Trichloroethene	10.0	9.9	99	79-118	
1,2-Dichloropropane	10.0	9.7	97	82-115	
Dibromomethane	10.0	9.9	99	84-116	
Bromodichloromethane	10.0	10.2	102	81-122	
cis-1,3-Dichloropropene	10.0	10.3	103	78-118	
4-methyl-2-pentanone	50.0	49.2	98	81-127	
Toluene	10.0	10.0	100	83-116	
trans-1,3-Dichloropropene	10.0	10.0	100	73-122	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260

AAB #: D0602089

Lab Name: Columbia Analytical Services/Redding

LCS ID: M1218W01LCSD

Concentration Units (ug/L or mg/kg): UG/L

Date Extracted: _____

Date Analyzed: 12/18/06

Initial Calibration ID: 12/05/06MSM

Analyte	Expected	Found	%R	Control Limits	Q
1,1,2-Trichloroethane	10.0	10.0	100	83-120	
Tetrachloroethene	10.0	10.4	104	82-118	
1,3-Dichloropropane	10.0	9.8	98	82-119	
2-Hexanone	50.0	48.4	97	81-130	
Dibromochloromethane	10.0	10.9	109	79-124	
1,2-Dibromoethane	10.0	10.2	102	82-116	
Chlorobenzene	10.0	10.2	102	86-114	
1,1,1,2-Tetrachloroethane	10.0	10.3	103	79-122	
Ethylbenzene	10.0	10.4	104	86-116	
Xylene (total)	30.0	30.9	103	85-117	
Styrene	10.0	10.3	103	84-119	
Bromoform	10.0	10.3	103	71-133	
Isopropylbenzene	10.0	10.6	106	77-117	
1,1,2,2-Tetrachloroethane	10.0	9.9	99	80-117	
Bromobenzene	10.0	10.2	102	84-120	
1,2,3-Trichloropropane	10.0	9.7	97	81-122	E4
n-Propylbenzene	10.0	10.4	104	87-117	
2-Chlorotoluene	10.0	10.3	103	87-119	
1,3,5-Trimethylbenzene	10.0	10.4	104	83-120	
4-Chlorotoluene	10.0	10.4	104	86-118	
tert-Butylbenzene	10.0	8.9	89	82-122	
1,2,4-Trimethylbenzene	10.0	10.4	104	86-121	
sec-Butylbenzene	10.0	10.9	109	84-128	
1,3-Dichlorobenzene	10.0	10.2	102	85-119	
p-Isopropyltoluene	10.0	10.4	104	84-121	
1,4-Dichlorobenzene	10.0	10.2	102	84-118	
n-Butylbenzene	10.0	10.1	101	81-123	
1,2-Dichlorobenzene	10.0	10.2	102	85-117	
1,2-Dibromo-3-chloropropane	40.0	39.2	98	67-121	
1,2,4-Trichlorobenzene	10.0	10.4	104	69-128	
Hexachlorobutadiene	10.0	10.5	105	71-135	
Naphthalene	10.0	10.7	107	60-131	
1,2,3-Trichlorobenzene	10.0	10.6	106	69-130	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260

AAB #: D0602089

Lab Name: Columbia Analytical Services/Redding

LCS ID: M1218W01LCSD Concentration Units (ug/L or mg/kg): UG/L

Date Extracted: _____ Date Analyzed: 12/18/06

Initial Calibration ID: 12/05/06MSM

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	102	82-124	
Dibromofluoromethane - SS	101	84-127	
Toluene-d8 - SS	102	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260

AAB #: D0602089

Lab Name: Columbia Analytical Services/Redding

LCS ID: M1220W01LCS

Concentration Units (ug/L or mg/kg): UG/L

Date Extracted: _____

Date Analyzed: 12/20/06

Initial Calibration ID: 12/05/06MSM

Analyte	Expected	Found	%R	Control Limits	Q
Dichlorodifluoromethane	10.0	12.5	125	27-158	
Chloromethane	10.0	10.8	108	51-137	
Vinyl chloride	10.0	10.8	108	57-137	
Bromomethane	10.0	11.1	111	44-156	
Chloroethane	10.0	11.0	110	60-140	
Trichlorofluoromethane	10.0	12.8	128	54-146	
1,1-Dichloroethene	10.0	11.2	112	70-130	
Acetone	50.0	49.0	98	55-137	
Carbon disulfide	10.0	10.3	103	50-127	
Methylene chloride	10.0	10.1	101	73-121	
Iodomethane	10.0	10.0	100	50-150	
trans-1,2-Dichloroethene	10.0	10.1	101	74-124	
Tert-butylmethylether	10.0	10.4	104	75-119	
1,1-Dichloroethane	10.0	9.9	99	78-121	
Vinyl acetate	10.0	11.7	117	52-129	E4
2,2-Dichloropropane	10.0	10.4	104	61-137	
cis-1,2-Dichloroethene	10.0	10.5	105	80-118	
2-Butanone	50.0	50.6	101	76-122	
Bromochloromethane	10.0	10.3	103	82-118	
Chloroform	10.0	10.0	100	73-125	
1,1,1-Trichloroethane	10.0	10.0	100	76-124	
1,1-Dichloropropene	10.0	10.3	103	80-119	
Carbon tetrachloride	10.0	10.6	106	68-135	
Benzene	10.0	10.4	104	81-119	
1,2-Dichloroethane	10.0	10.2	102	75-122	
Trichloroethene	10.0	10.2	102	79-118	
1,2-Dichloropropane	10.0	9.9	99	82-115	
Dibromomethane	10.0	10.4	104	84-116	
Bromodichloromethane	10.0	10.6	106	81-122	
cis-1,3-Dichloropropene	10.0	10.7	107	78-118	
4-methyl-2-pentanone	50.0	51.9	104	81-127	
Toluene	10.0	10.2	102	83-116	
trans-1,3-Dichloropropene	10.0	10.6	106	73-122	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260

AAB #: D0602089

Lab Name: Columbia Analytical Services/Redding

LCS ID: M1220W01LCS

Concentration Units (ug/L or mg/kg): UG/L

Date Extracted: _____

Date Analyzed: 12/20/06

Initial Calibration ID: 12/05/06MSM

Analyte	Expected	Found	%R	Control Limits	Q
1,1,2-Trichloroethane	10.0	10.4	104	83-120	
Tetrachloroethene	10.0	11.0	110	82-118	
1,3-Dichloropropane	10.0	10.5	105	82-119	
2-Hexanone	50.0	51.2	102	81-130	
Dibromochloromethane	10.0	11.2	112	79-124	
1,2-Dibromoethane	10.0	10.7	107	82-116	
Chlorobenzene	10.0	10.5	105	86-114	
1,1,1,2-Tetrachloroethane	10.0	10.7	107	79-122	
Ethylbenzene	10.0	10.6	106	86-116	
Xylene (total)	30.0	31.6	105	85-117	
Styrene	10.0	10.8	108	84-119	
Bromoform	10.0	10.7	107	71-133	
Isopropylbenzene	10.0	10.9	109	77-117	
1,1,2,2-Tetrachloroethane	10.0	11.0	110	80-117	
Bromobenzene	10.0	11.2	112	84-120	
1,2,3-Trichloropropane	10.0	10.9	109	81-122	
n-Propylbenzene	10.0	11.1	111	87-117	
2-Chlorotoluene	10.0	11.0	110	87-119	
1,3,5-Trimethylbenzene	10.0	10.9	109	83-120	
4-Chlorotoluene	10.0	10.9	109	86-118	
tert-Butylbenzene	10.0	11.0	110	82-122	
1,2,4-Trimethylbenzene	10.0	10.8	108	86-121	
sec-Butylbenzene	10.0	11.2	112	84-128	
1,3-Dichlorobenzene	10.0	10.8	108	85-119	
p-Isopropyltoluene	10.0	10.6	106	84-121	
1,4-Dichlorobenzene	10.0	10.7	107	84-118	
n-Butylbenzene	10.0	10.1	101	81-123	
1,2-Dichlorobenzene	10.0	10.8	108	85-117	
1,2-Dibromo-3-chloropropane	40.0	42.6	106	67-121	
1,2,4-Trichlorobenzene	10.0	10.4	104	69-128	
Hexachlorobutadiene	10.0	10.0	100	71-135	
Naphthalene	10.0	10.9	109	60-131	
1,2,3-Trichlorobenzene	10.0	10.5	105	69-130	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260

AAB #: D0602089

Lab Name: Columbia Analytical Services/Redding

LCS ID: M1220W01LCS Concentration Units (ug/L or mg/kg): UG/L

Date Extracted: _____ Date Analyzed: 12/20/06

Initial Calibration ID: 12/05/06MSM

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	109	82-124	
Dibromofluoromethane - SS	103	84-127	
Toluene-d8 - SS	101	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260 AAB #: D0602089

Lab Name: Columbia Analytical Services/Redding

LCS ID: M1220W01LCSD Concentration Units (ug/L or mg/kg): UG/L

Date Extracted: _____ Date Analyzed: 12/20/06

Initial Calibration ID: 12/05/06MSM

Analyte	Expected	Found	%R	Control Limits	Q
Dichlorodifluoromethane	10.0	11.7	117	27-158	
Chloromethane	10.0	10.2	102	51-137	
Vinyl chloride	10.0	10.4	104	57-137	
Bromomethane	10.0	10.6	106	44-156	
Chloroethane	10.0	10.5	105	60-140	
Trichlorofluoromethane	10.0	11.6	116	54-146	
1,1-Dichloroethene	10.0	10.8	108	70-130	
Acetone	50.0	47.1	94	55-137	
Carbon disulfide	10.0	9.8	98	50-127	
Methylene chloride	10.0	9.8	98	73-121	
Iodomethane	10.0	9.4	94	50-150	E4
trans-1,2-Dichloroethene	10.0	9.6	96	74-124	
Tert-butylmethylether	10.0	9.9	99	75-119	
1,1-Dichloroethane	10.0	9.7	97	78-121	
Vinyl acetate	10.0	11.0	110	52-129	E4
2,2-Dichloropropane	10.0	9.8	98	61-137	
cis-1,2-Dichloroethene	10.0	10.3	103	80-118	
2-Butanone	50.0	47.0	94	76-122	
Bromochloromethane	10.0	10.0	100	82-118	
Chloroform	10.0	9.6	96	73-125	
1,1,1-Trichloroethane	10.0	9.6	96	76-124	
1,1-Dichloropropene	10.0	10.0	100	80-119	
Carbon tetrachloride	10.0	10.2	102	68-135	
Benzene	10.0	10.2	102	81-119	
1,2-Dichloroethane	10.0	9.6	96	75-122	
Trichloroethene	10.0	10.0	100	79-118	
1,2-Dichloropropane	10.0	9.5	95	82-115	
Dibromomethane	10.0	9.9	99	84-116	
Bromodichloromethane	10.0	10.0	100	81-122	
cis-1,3-Dichloropropene	10.0	10.2	102	78-118	
4-methyl-2-pentanone	50.0	48.8	98	81-127	
Toluene	10.0	10.0	100	83-116	
trans-1,3-Dichloropropene	10.0	10.1	101	73-122	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260

AAB #: D0602089

Lab Name: Columbia Analytical Services/Redding

LCS ID: M1220W01LCSD Concentration Units (ug/L or mg/kg): UG/L

Date Extracted: _____ Date Analyzed: 12/20/06

Initial Calibration ID: 12/05/06MSM

Analyte	Expected	Found	%R	Control Limits	Q
1,1,2-Trichloroethane	10.0	10.1	101	83-120	
Tetrachloroethene	10.0	10.6	106	82-118	
1,3-Dichloropropane	10.0	10.1	101	82-119	
2-Hexanone	50.0	47.7	95	81-130	
Dibromochloromethane	10.0	10.6	106	79-124	
1,2-Dibromoethane	10.0	10.4	104	82-116	
Chlorobenzene	10.0	10.3	103	86-114	
1,1,1,2-Tetrachloroethane	10.0	10.2	102	79-122	
Ethylbenzene	10.0	10.4	104	86-116	
Xylene (total)	30.0	30.9	103	85-117	
Styrene	10.0	10.3	103	84-119	
Bromoform	10.0	10.0	100	71-133	
Isopropylbenzene	10.0	10.6	106	77-117	
1,1,2,2-Tetrachloroethane	10.0	10.3	103	80-117	
Bromobenzene	10.0	10.3	103	84-120	
1,2,3-Trichloropropane	10.0	9.8	98	81-122	E4
n-Propylbenzene	10.0	10.4	104	87-117	
2-Chlorotoluene	10.0	10.4	104	87-119	
1,3,5-Trimethylbenzene	10.0	10.4	104	83-120	
4-Chlorotoluene	10.0	10.3	103	86-118	
tert-Butylbenzene	10.0	10.5	105	82-122	
1,2,4-Trimethylbenzene	10.0	10.4	104	86-121	
sec-Butylbenzene	10.0	10.8	108	84-128	
1,3-Dichlorobenzene	10.0	10.2	102	85-119	
p-Isopropyltoluene	10.0	10.4	104	84-121	
1,4-Dichlorobenzene	10.0	10.3	103	84-118	
n-Butylbenzene	10.0	9.8	98	81-123	
1,2-Dichlorobenzene	10.0	10.2	102	85-117	
1,2-Dibromo-3-chloropropane	40.0	38.3	96	67-121	
1,2,4-Trichlorobenzene	10.0	10.0	100	69-128	
Hexachlorobutadiene	10.0	10.3	103	71-135	
Naphthalene	10.0	10.4	104	60-131	
1,2,3-Trichlorobenzene	10.0	9.8	98	69-130	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260

AAB #: D0602089

Lab Name: Columbia Analytical Services/Redding

LCS ID: M1220W01LCSD

Concentration Units (ug/L or mg/kg): UG/L

Date Extracted: _____

Date Analyzed: 12/20/06

Initial Calibration ID: 12/05/06MSM

Analyte	Expected	Found	%R	Control Limits	Q

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	103	82-124	
Dibromofluoromethane - SS	100	84-127	
Toluene-d8 - SS	99	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE/LABORATORY CONTROL SAMPLE DUPLICATE

Analytical Method: SW8260

AAB #: D0602089

Lab Name: Columbia Analytical Services/Redding

Concentration Units (ug/L or mg/kg): UG/L

%Solids: _____

Parent Field Sample ID: M1218W01

BS ID: M1218W01LCS

BSD ID: M1218W01LCSD

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicate Spike Sample Result	%R	%RPD	Control Limits %RPD	Control Limits %R	Q
Dichlorodifluoromethane		10.0	12.1	121	11.5	115	5	20	27-158	
Chloromethane		10.0	10.8	108	10.4	104	4	20	51-137	
Vinyl chloride		10.0	10.7	107	10.4	104	3	20	57-137	
Bromomethane		10.0	11.5	115	11.2	112	3	20	44-156	
Chloroethane		10.0	11.3	113	10.6	106	6	20	60-140	
Trichlorofluoromethane		10.0	12.3	123	12.1	121	2	20	54-146	
1,1-Dichloroethene		10.0	11.0	110	11.1	111	1	20	70-130	
Acetone		50.0	43.4	87	43.4	87	0	20	55-137	
Carbon disulfide		10.0	10.0	100	9.9	99	1	20	50-127	
Methylene chloride		10.0	9.8	98	9.6	96	2	20	73-121	
Iodomethane		10.0	9.6	96	9.4	94	2	20	50-150	E4
trans-1,2-Dichloroethene		10.0	9.8	98	9.8	98	0	20	74-124	
Tert-butylmethylether		10.0	10.0	100	9.8	98	2	20	75-119	
1,1-Dichloroethane		10.0	9.9	99	9.8	98	1	20	78-121	
Vinyl acetate		10.0	11.1	111	10.9	109	2	20	52-129	E4
2,2-Dichloropropane		10.0	9.9	99	9.8	98	1	20	61-137	
cis-1,2-Dichloroethene		10.0	10.3	103	10.4	104	1	20	80-118	
2-Butanone		50.0	47.0	94	46.9	94	0	20	76-122	
Bromochloromethane		10.0	10.3	103	9.9	99	4	20	82-118	
Chloroform		10.0	10.1	101	10.0	100	1	20	73-125	
1,1,1-Trichloroethane		10.0	10.0	100	9.9	99	1	20	76-124	
1,1-Dichloropropene		10.0	10.2	102	9.9	99	3	20	80-119	
Carbon tetrachloride		10.0	10.7	107	10.3	103	4	20	68-135	
Benzene		10.0	10.2	102	10.1	101	1	20	81-119	
1,2-Dichloroethane		10.0	9.8	98	9.5	95	3	20	75-122	
Trichloroethene		10.0	9.9	99	9.9	99	0	20	79-118	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE/LABORATORY CONTROL SAMPLE DUPLICATE

Analytical Method: SW8260 AAB #: D0602089

Lab Name: Columbia Analytical Services/Redding

Concentration Units (ug/L or mg/kg): UG/L %Solids: _____

Parent Field Sample ID: M1218W01 BS ID: M1218W01LCS BSD ID: M1218W01LCSD

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicate Spike Sample Result	%R	%RPD	Control Limits %RPD	Control Limits %R	Q
1,2-Dichloropropane		10.0	9.6	96	9.7	97	1	20	82-115	
Dibromomethane		10.0	10.1	101	9.9	99	2	20	84-116	
Bromodichloromethane		10.0	10.5	105	10.2	102	3	20	81-122	
cis-1,3-Dichloropropene		10.0	10.3	103	10.3	103	0	20	78-118	
4-methyl-2-pentanone		50.0	49.4	99	49.2	98	0	20	81-127	
Toluene		10.0	10.0	100	10.0	100	0	20	83-116	
trans-1,3-Dichloropropene		10.0	10.5	105	10.0	100	5	20	73-122	
1,1,2-Trichloroethane		10.0	10.2	102	10.0	100	2	20	83-120	
Tetrachloroethene		10.0	10.7	107	10.4	104	3	20	82-118	
1,3-Dichloropropane		10.0	10.3	103	9.8	98	5	20	82-119	
2-Hexanone		50.0	48.9	98	48.4	97	1	20	81-130	
Dibromochloromethane		10.0	11.3	113	10.9	109	4	20	79-124	
1,2-Dibromoethane		10.0	10.6	106	10.2	102	4	20	82-116	
Chlorobenzene		10.0	10.3	103	10.2	102	1	20	86-114	
1,1,1,2-Tetrachloroethane		10.0	10.7	107	10.3	103	4	20	79-122	
Ethylbenzene		10.0	10.4	104	10.4	104	0	20	86-116	
Xylene (total)		30.0	31.1	104	30.9	103	1	20	85-117	
Styrene		10.0	10.4	104	10.3	103	1	20	84-119	
Bromoform		10.0	11.0	110	10.3	103	6	20	71-133	
Isopropylbenzene		10.0	10.7	107	10.6	106	1	20	77-117	
1,1,2,2-Tetrachloroethane		10.0	10.7	107	9.9	99	8	20	80-117	
Bromobenzene		10.0	10.5	105	10.2	102	3	20	84-120	
1,2,3-Trichloropropane		10.0	10.5	105	9.7	97	8	20	81-122	E4
n-Propylbenzene		10.0	10.5	105	10.4	104	1	20	87-117	
2-Chlorotoluene		10.0	10.6	106	10.3	103	3	20	87-119	
1,3,5-Trimethylbenzene		10.0	9.8	98	10.4	104	6	20	83-120	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE/LABORATORY CONTROL SAMPLE DUPLICATE

Analytical Method: SW8260 AAB #: D0602089

Lab Name: Columbia Analytical Services/Redding

Concentration Units (ug/L or mg/kg): UG/L %Solids:

Parent Field Sample ID: M1220W01 BS ID: M1220W01LCS BSD ID: M1220W01LCSD

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicate Spike Sample Result	%R	%RPD	Control Limits %RPD	Control Limits %R	Q
Dichlorodifluoromethane		10.0	12.5	125	11.7	117	7	20	27-158	
Chloromethane		10.0	10.8	108	10.2	102	6	20	51-137	
Vinyl chloride		10.0	10.8	108	10.4	104	4	20	57-137	
Bromomethane		10.0	11.1	111	10.6	106	5	20	44-156	
Chloroethane		10.0	11.0	110	10.5	105	5	20	60-140	
Trichlorofluoromethane		10.0	12.8	128	11.6	116	10	20	54-146	
1,1-Dichloroethene		10.0	11.2	112	10.8	108	4	20	70-130	
Acetone		50.0	49.0	98	47.1	94	4	20	55-137	
Carbon disulfide		10.0	10.3	103	9.8	98	5	20	50-127	
Methylene chloride		10.0	10.1	101	9.8	98	3	20	73-121	
Iodomethane		10.0	10.0	100	9.4	94	6	20	50-150	E4
trans-1,2-Dichloroethene		10.0	10.1	101	9.6	96	5	20	74-124	
Tert-butylmethylether		10.0	10.4	104	9.9	99	5	20	75-119	
1,1-Dichloroethane		10.0	9.9	99	9.7	97	2	20	78-121	
Vinyl acetate		10.0	11.7	117	11.0	110	6	20	52-129	E4
2,2-Dichloropropane		10.0	10.4	104	9.8	98	6	20	61-137	
cis-1,2-Dichloroethene		10.0	10.5	105	10.3	103	2	20	80-118	
2-Butanone		50.0	50.6	101	47.0	94	7	20	76-122	
Bromochloromethane		10.0	10.3	103	10.0	100	3	20	82-118	
Chloroform		10.0	10.0	100	9.6	96	4	20	73-125	
1,1,1-Trichloroethane		10.0	10.0	100	9.6	96	4	20	76-124	
1,1-Dichloropropene		10.0	10.3	103	10.0	100	3	20	80-119	
Carbon tetrachloride		10.0	10.6	106	10.2	102	4	20	68-135	
Benzene		10.0	10.4	104	10.2	102	2	20	81-119	
1,2-Dichloroethane		10.0	10.2	102	9.6	96	6	20	75-122	
Trichloroethene		10.0	10.2	102	10.0	100	2	20	79-118	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE/LABORATORY CONTROL SAMPLE DUPLICATE

Analytical Method: SW8260 AAB #: D0602089

Lab Name: Columbia Analytical Services/Redding

Concentration Units (ug/L or mg/kg): UG/L %Solids: _____

Parent Field Sample ID: M1220W01 BS ID: M1220W01LCS BSD ID: M1220W01LCS

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicate Spike Sample Result	%R	%RPD	Control Limits %RPD	Control Limits %R	Q
1,2-Dichloropropane		10.0	9.9	99	9.5	95	4	20	82-115	
Dibromomethane		10.0	10.4	104	9.9	99	5	20	84-116	
Bromodichloromethane		10.0	10.6	106	10.0	100	6	20	81-122	
cis-1,3-Dichloropropene		10.0	10.7	107	10.2	102	5	20	78-118	
4-methyl-2-pentanone		50.0	51.9	104	48.8	98	6	20	81-127	
Toluene		10.0	10.2	102	10.0	100	2	20	83-116	
trans-1,3-Dichloropropene		10.0	10.6	106	10.1	101	5	20	73-122	
1,1,2-Trichloroethane		10.0	10.4	104	10.1	101	3	20	83-120	
Tetrachloroethene		10.0	11.0	110	10.6	106	4	20	82-118	
1,3-Dichloropropane		10.0	10.5	105	10.1	101	4	20	82-119	
2-Hexanone		50.0	51.2	102	47.7	95	7	20	81-130	
Dibromochloromethane		10.0	11.2	112	10.6	106	6	20	79-124	
1,2-Dibromoethane		10.0	10.7	107	10.4	104	3	20	82-116	
Chlorobenzene		10.0	10.5	105	10.3	103	2	20	86-114	
1,1,1,2-Tetrachloroethane		10.0	10.7	107	10.2	102	5	20	79-122	
Ethylbenzene		10.0	10.6	106	10.4	104	2	20	86-116	
Xylene (total)		30.0	31.6	105	30.9	103	2	20	85-117	
Styrene		10.0	10.8	108	10.3	103	5	20	84-119	
Bromoform		10.0	10.7	107	10.0	100	7	20	71-133	
Isopropylbenzene		10.0	10.9	109	10.6	106	3	20	77-117	
1,1,2,2-Tetrachloroethane		10.0	11.0	110	10.3	103	6	20	80-117	
Bromobenzene		10.0	11.2	112	10.3	103	8	20	84-120	
1,2,3-Trichloropropane		10.0	10.9	109	9.8	98	11	20	81-122	E4
n-Propylbenzene		10.0	11.1	111	10.4	104	6	20	87-117	
2-Chlorotoluene		10.0	11.0	110	10.4	104	6	20	87-119	
1,3,5-Trimethylbenzene		10.0	10.9	109	10.4	104	5	20	83-120	

Comments:

ORGANIC ANALYSES DATA SHEET 9

HOLDING TIMES

Analytical Method: SW8260

AAB #: D0602089

Lab Name: Columbia Analytical Services/Redding[illegible]

Comments:

ORGANIC ANALYSES DATA SHEET 10
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: SW8260

AAB #: D0602089

Lab Name: Columbia Analytical Services/Redding

Instrument ID #: MSM DB-624

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Laboratory File ID	Date Analysis Started	Time Analysis Started	Date Analysis Completed	Time Analysis Completed
VSTD00.5	M065370	12/05/06	1545	12/05/06	1605
VSTD001	M065371	12/05/06	1606	12/05/06	1626
VSTD005	M065372	12/05/06	1628	12/05/06	1648
VSTD010	M065373	12/05/06	1649	12/05/06	1709
VSTD020	M065374	12/05/06	1711	12/05/06	1731
VSTD050	M065375	12/05/06	1732	12/05/06	1752
VSTD100	M065376	12/05/06	1754	12/05/06	1814
VSTD150	M065377	12/05/06	1815	12/05/06	1835
QCALTSTD4	M065380	12/05/06	1920	12/05/06	1940
VSTD10M	M065584	12/18/06	1141	12/18/06	1201
M1218W01LCS	M065585A	12/18/06	1202	12/18/06	1222
M1218W01LCSD	M065586A	12/18/06	1224	12/18/06	1244
M1218W01	M065589A	12/18/06	1328	12/18/06	1348
ASE-92A-6D2	M065607	12/18/06	2017	12/18/06	2037
ASE-108A-6D2	M065608	12/18/06	2038	12/18/06	2058
PL-505-6D2	M065609	12/18/06	2059	12/18/06	2119
ASE-62A-6D2	M065610	12/18/06	2121	12/18/06	2141
ASE-41A-6D2	M065611	12/18/06	2142	12/18/06	2202
ASE-91A-6D2	M065612	12/18/06	2204	12/18/06	2224
PL-105A-6D2	M065613	12/18/06	2225	12/18/06	2245
ASE-55A-6D2	M065614	12/18/06	2247	12/18/06	2307
VSTD10M	M065627	12/20/06	1147	12/20/06	1207
M1220W01LCS	M065628	12/20/06	1209	12/20/06	1229
M1220W01LCSD	M065629	12/20/06	1230	12/20/06	1250
M1220W01	M065632	12/20/06	1334	12/20/06	1354
TB-121306	M065634	12/20/06	1520	12/20/06	1540

Comments:

ORGANIC ANALYSES DATA SHEET 10
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: SW8260

AAB #: D0602089

Lab Name: Columbia Analytical Services/Redding

Instrument ID #: MSM DB-624

[illegible]

Comments:

ORGANIC ANALYSES DATA SHEET APPENDIX A
SURROGATE RESULTS

Analytical Method: SW8260

AAB #: D0602089

Lab Name: Columbia Analytical Services/Redding

Matrix: Water

[illegible]

S1:	4-Bromofluorobenzene - SS	82-124
S2:	Dibromofluoromethane - SS	84-127
S3:	Toluene-d8 - SS	80-117

Comments:

December 29, 2006

Service Request No: D0602091

Shane Lowe
CH2M Hill
2625 S. Plaza Drive
Suite 300
Tempe, AZ 85282

RE: Sky Harbor/2959482

Dear Shane:

Enclosed are the results of the sample(s) submitted to our laboratory on December 16, 2006. For your reference, these analyses have been assigned our service request number D0602091.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAP standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please call if you have any questions. My extension is 105. You may also contact me via email at MFesler@redding.caslab.com.

Respectfully submitted,

Columbia Analytical Services, Inc.



Mark Fesler
Project Chemist

CC: Terri Krauss

Page 1 of 92

Current CAS Redding Accreditation Programs

Federal and National Programs

- U.S Air Force, Air Force Center for Environmental Excellence (AFCEE)
Approved laboratory for Wastewater and Hazardous Waste
- U.S. Army Corps of Engineers – MRD, HTRW Mandatory Center of Expertise
Validated for Wastewater and Hazardous Waste
- Department of the Navy, Naval Facilities Engineering Service Center (NFESC)
Approved laboratory for Wastewater and Hazardous Waste

State and Local Programs

- State of Alaska, Department of Environmental Conservation
Approved Laboratory for Contaminated Sites
Lab ID UST-001
- State of Arizona, Department of Health Services, Office of Laboratory Licensure
Approved Laboratory for Drinking Water, Wastewater, and Hazardous Waste
Lab ID AZ0604
- State of California, Department of Health Services, National Environmental Laboratory Accreditation Program (NELAP)
Approved Laboratory for Drinking Water, Wastewater and Hazardous Waste
Lab ID 01105CA
 - Los Angeles County Sanitation District
Approved Laboratory for Wastewater
Lab ID 10243
- State of California, Department of Health Services, Environmental Laboratory Accreditation Program (ELAP)
Approved Laboratory for Microbiology of Drinking Water and Wastewater
Lab ID 2635
- State of Florida, Department of Health, Bureau of Laboratories (NELAP)
Approved Environmental Testing Laboratory for Wastewater and Hazardous Waste
Lab ID E87203
- State of Kansas, Department of Health and Environment (NELAP)
Approved Laboratory for Hazardous Waste
Lab ID E-10323
- State of Massachusetts, Department of Environmental Protection
Approved laboratory for Drinking Water and Wastewater
Lab ID M-CA025
- State of Oklahoma, Department of Environmental Quality
Approved Laboratory for General Water Quality/Sludge Testing
Lab ID 9952
- State of Oregon, Environmental Laboratory Accreditation Program (ORELAP)
Approved Laboratory for Drinking Water, Wastewater, and Hazardous Waste
Lab ID CA200004
- State of Utah, Department of Health, Bureau of Laboratory Improvement (NELAP)
Approved Laboratory for Wastewater and Hazardous Waste
Lab ID QUAL1
- State of Washington, Department of Ecology
Approved Laboratory for Wastewater and Hazardous Waste
Lab ID C1234
- State of Wisconsin, Department of Natural Resources
Approved Laboratory for Wastewater and Hazardous Waste
Lab ID 999767340

Arizona Data Qualifiers

Revision 2.0, 11/26/2003

Developed by the Sub-committee of the
Arizona Environmental Laboratory Advisory Committee

Microbiology:

- A1 = Too numerous to count.
- A2 = Sample incubation period exceeded method requirement.
- A3 = Sample incubation period was shorter than method requirement.
- A4 = Target organism detected in associated method blank.
- A5 = Incubator/water bath temperature was outside method requirements.
- A6 = Target organism not detected in associated positive control.
- A7 = Micro sample received without adequate headspace.

Method/calibration blank:

- B1 = Target analyte detected in method blank at or above the method reporting limit.
- B2 = Non-target analyte detected in method blank and sample, producing interference.
- B3 = Target analyte detected in calibration blank at or above the method reporting limit.
- B4 = Target analyte detected in blank at/above method acceptance criteria.
- B5 = Target analyte detected in method blank at or above the method reporting limit, but below trigger level or MCL.
- B6 = Target analyte detected in calibration blank at or above the method reporting limit, but below trigger level or MCL.
- B7 = Target analyte detected in method blank at or above method reporting limit. Concentration found in the sample was 10 times above the concentration found in the method blank.

Confirmation:

- C1 = Confirmatory analysis not performed as required by the method.
- C3 = Qualitative confirmation performed.
- C4 = Confirmatory analysis was past holding time.
- C5 = Confirmatory analysis was past holding time. Original result not confirmed.
- C6 = Sample RPD between the primary and confirmatory analysis exceeded 40%. Per EPA Method 8000B, the higher value was reported as there was no obvious chromatographic interference.
- C7 = Sample RPD between the primary and confirmatory analysis exceeded 40%. Per EPA Method 8000B, the lower value was reported due to apparent chromatographic interference.

Dilution:

- D1 = Sample required dilution due to matrix.
- D2 = Sample required dilution due to high concentration of target analyte.
- D3 = Sample dilution required due to insufficient sample.
- D4 = Minimum reporting level (MRL) adjusted to reflect sample amount received and analyzed.

Estimated concentration:

- E1 = Concentration estimated. Analyte exceeded calibration range. Reanalysis not possible due to insufficient sample.
- E2 = Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to sample matrix.
- E3 = Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to holding time requirements.

Arizona Data Qualifiers
Revision 2.0, 11/26/2003

- E4 = Concentration estimated. Analyte was detected below laboratory minimum reporting level (MRL).
- E5 = Concentration estimated. Analyte was detected below laboratory minimum reporting level (MRL), but not confirmed by alternate analysis.
- E6 = Concentration estimated. Internal standard recoveries did not meet method acceptance criteria.
- E7 = Concentration estimated. Internal standard recoveries did not meet laboratory acceptance criteria.
- E8 = Analyte reported to MDL per project specification. Target analyte was not detected in the sample.

Hold time:

- H1 = Sample analysis performed past holding time.
- H2 = Initial analysis within holding time. Reanalysis for the required dilution was past holding time.
- H3 = Sample was received and analyzed past holding time.
- H4 = Sample was extracted past required extraction holding time, but analyzed within analysis holding time.

BOD:

- K1 = The sample dilutions set-up for the BOD analysis did not meet the oxygen depletion criteria of at least 2 mg/L. Any reported result is an estimated value.
- K2 = The sample dilutions set up for the BOD analysis did not meet the criteria of a residual dissolved oxygen of at least 1 mg/L. Any reported result is an estimated value.
- K4 = The seed depletion was outside the method acceptance limits. The reported result is an estimated value.
- K5 = The dilution water D.O. depletion was > 0.2 mg/L.
- K6 = Glucose/glutamic acid BOD was below method acceptance criteria.
- K7 = A discrepancy between the BOD and COD results has been verified by reanalysis of the sample for COD.
- K8 = Glucose/glutamic acid BOD was above method acceptance levels.

Laboratory fortified blank/blank spike:

- L1 = The associated blank spike recovery was above laboratory acceptance limits.
- L2 = The associated blank spike recovery was below laboratory acceptance limits.
- L3 = The associated blank spike recovery was above method acceptance limits.
- L4 = The associated blank spike recovery was below method acceptance limits.

Matrix spike:

- M1 = Matrix spike recovery was high, the method control sample recovery was acceptable.
- M2 = Matrix spike recovery was low, the method control sample recovery was acceptable.
- M3 = The accuracy of the spike recovery value is reduced since the analyte concentration in the sample is disproportionate to spike level. The method control sample recovery was acceptable.
- M4 = The analysis of the spiked sample required a dilution such that the spike concentration was diluted below the reporting limit. The method control sample recovery was acceptable.
- M5 = Analyte concentration was determined by the method of standard addition (MSA).

M6 = Matrix spike recovery was high. Data reported per ADEQ policy 0154.000.

M7 = Matrix spike recovery was low. Data reported per ADEQ policy 0154.000.

General:

N1 = See case narrative.

N2 = See corrective action report.

N3 = The analysis meets all method requirements. See case narrative.

Sample quality:

Q1 = Sample integrity was not maintained. See case narrative.

Q2 = Sample received with headspace.

Q3 = Sample received with improper chemical preservation.

Q4 = Sample received and analyzed without chemical preservation.

Q5 = Sample received with inadequate chemical preservation, but preserved by the laboratory.

Q6 = Sample was received above recommended temperature.

Q7 = Sample inadequately dechlorinated.

Q8 = Insufficient sample received to meet method QC requirements. Batch QC requirements satisfies ADEQ policies 0154 and 0155.

Q9 = Insufficient sample received to meet method QC requirements.

Q10 = Sample received in inappropriate sample container.

Q11 = Sample is heterogeneous. Sample homogeneity could not be readily achieved using routine laboratory practices.

Duplicates:

R1 = RPD exceeded the method control limit. See case narrative.

R2 = RPD exceeded the laboratory control limit. See case narrative.

R4 = MS/MSD RPD exceeded the method control limit. Recovery met acceptance criteria.

R5 = MS/MSD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.

R6 = LFB/LFBD RPD exceeded the method control limit. Recovery met acceptance criteria.

R7 = LFB/LFBD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.

R8 = Sample RPD exceeded the method control limit.

R9 = Sample RPD exceeded the laboratory control limit.

R10 = Sample RPD between the primary and confirmatory analysis exceeded 40%. Per EPA Method 8000B, the lower value was reported due to apparent chromatographic problems.

R11 = The RPD calculation for MS/MSD does not provide useful information due to the varying sample weights when Encore samplers/methanol field preserved samples are used.

Surrogate:

S1 = Surrogate recovery was above laboratory acceptance limits, but within method acceptance limits.

S3 = Surrogate recovery was above laboratory acceptance limits, but within method acceptance limits. No target analytes were detected in the sample.

S4 = Surrogate recovery was above laboratory and method acceptance limits. No target analytes were detected in the sample.

S5 = Surrogate recovery was below laboratory acceptance limits, but within method acceptance limits.

S6 = Surrogate recovery was below laboratory and method acceptance limits. Reextraction and/or reanalysis confirms low recovery caused by matrix effect.

Arizona Data Qualifiers
Revision 2.0, 11/26/2003

- S7 = Surrogate recovery was below laboratory and method acceptance limits. Unable to confirm matrix effect.
- S8 = The analysis of the sample required a dilution such that the surrogate recovery calculation does not provide any useful information. The method control sample recovery was acceptable.
- S10 = Surrogate recovery was above laboratory and method acceptance limits. See Case narrative.
- S11 = Surrogate recovery was high. Data reported per ADEQ policy 0154.000.
- S12 = Surrogate recovery was low. Data reported per ADEQ policy 0154.000.

Method/analyte discrepancies:

- T1 = Method approved by EPA, but not yet licensed by ADHS.
- T2 = Cited ADHS licensed method does not contain this analyte as part of method compound list.
- T3 = Method not promulgated either by EPA or ADHS.
- T4 = Tentatively identified compound. Concentration is estimated and based on the closest internal standard.

Calibration verification:

- V1 = CCV recovery was above method acceptance limits. This target analyte was not detected in the sample.
- V2 = CCV recovery was above method acceptance limits. This target analyte was detected in the sample. The sample could not be reanalyzed due to insufficient sample.
- V3 = CCV recovery was above method acceptance limits. This target analyte was detected in the sample, but the sample was not reanalyzed. See case narrative.
- V4 = CCV recovery was below method acceptance limits. The sample could not be reanalyzed due to insufficient sample.
- V5 = CCV recovery after a group of samples was above acceptance limits. This target analyte was not detected in the sample. Acceptable per EPA Method 8000B.
- V6 = Data reported from one-point calibration criteria per ADEQ policy 0155.000.
- V7 = Calibration verification recovery was above the method control limit for this analyte, however the average % difference or % drift for all the analytes met method criteria.
- V8 = Calibration verification recovery was below the method control limit for this analyte, however the average % difference or % drift for all the analytes met method criteria.

Calibration:

- W1 = The % RSD for this compound was above 20%. The average % RSD for all compounds in the calibration met the 20% criteria as specified in EPA method 8000B.
- W2 = The % RSD for this compound was above 15%. The average % RSD for all compounds in the calibration met the 15% criteria as specified in EPA method 8260B/8270C.

Client:
Project: Sky Harbor/2959482

Service Request: D0602091

SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
D0602091-001	TB-121506	12/15/06	05:50
D0602091-002	ASE-66A-6D2	12/15/06	06:00
D0602091-003	ASE-68A-6D2	12/15/06	00:00
D0602091-004	PL-507-6D2	12/15/06	00:00
D0602091-005	ASE-20A-6D2	12/15/06	08:06
D0602091-006	ASE-51A-6D2	12/15/06	08:55
D0602091-007	ASE-53A-6D2	12/15/06	09:40
D0602091-008	ASE-52A-6D2	12/15/06	10:23
D0602091-009	ASE-65A-6D2	12/15/06	07:29

CASE NARRATIVE

COLUMBIA ANALYTICAL SERVICES, INC.

Client: Honeywell International, Incorporated
Project: Sky Harbor
Sample Matrix: Aqueous

Service Request No.: D0602091
Date Received: 12/16/06

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier II data deliverables.

Sample Receipt

9 Aqueous samples were received for analysis at Columbia Analytical Services on 12/16/06.

No discrepancies were noted upon initial sample inspection. The samples were received in good condition and consistent with the accompanying chain of custody form. The samples were stored in a refrigerator at 4 degrees Celsius upon receipt at the laboratory.

TPH Diesel and Motor Oil by EPA Method 8015B

No anomalies associated with the analysis of these samples were observed.

Volatile Organic Compounds by EPA Method 8260B

Laboratory Control Sample Exceptions:

The spike recoveries of n-Butylbenzene and Hexachlorobutadiene for Laboratory Control Sample (LCS) M1221W01LCS was outside the lower control criterion. The analytes in question were not detected in the associated field samples. The data is flagged to indicate the problem.

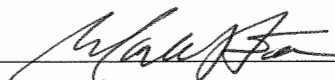
Spike Recovery Exceptions:

The matrix spike recoveries of several analytes for sample ASE_51A-6D2MS/MSD were outside control criteria. No further corrective action was appropriate.

Elevated Method Reporting Limits:

Samples ASE_51A-6D2 and ASE-52A_6D2 required dilution due to the presence of elevated levels of target analytes. The reporting limits are adjusted to reflect the dilution.

Approved by: _____



Date: _____

12/29/06

CHAIN OF CUSTODY DOCUMENTATION

Transwest Geochem

3725 E Atlanta Ave
Phoenix, AZ 85040
Phone 602-437-0330

Client Contact: (name, co., address)

Jennifer Holland

CH2M HILL

2625 South Plaza Dr STE 300

Tempe, AZ 85282

480-377-6287

Chain Of Custody / Analysis Request

R. Randall

Sampler: M. Wiese

Project Number: 2959460

Analysis Turnaround Time:

24 Hour - ☐

7 Day - ☐

14 Day - ☐

21 Day - ☐

28 Day - ☐

Site Name: Sky Harbor AZ

Location of Site: Phoenix, AZ

Job No.

Project No.

Lab Use Only

Project No.

Job No.

Project No.

Lab Use Only

Project No.

Job No.

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Lab Use Only

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Project No.

Lab Use Only

Project No.

Job No.

Project No.

Lab Use Only

Project No.

Job No.

Project No.

Lab Use Only

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Project No.

Lab Use Only

Project No.

Job No.

Project No.

Lab Use Only

Project No.

Special Instructions: Standard TAT 10 days.

Relinquished by: *R. Randall*

Relinquished by: *JM*

Relinquished by: *JM*

Relinquished by: *JM*

Relinquished by: *JM*

Relinquished by: *JM*

Relinquished by: *JM*

Company: *Ang & Assoc.*

Company: *TCI*

Company: *TCI*

Company: *TCI*

Company: *TCI*

Company: *TCI*

Company: *TCI*

Date/Time: *15 Dec 06 11:00*

Date/Time: *12/15/06 17:00*

Date/Time: *12/15/06 17:00*

Date/Time: *12/15/06 17:00*

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Received by: *JM*

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Date/Time: *12/15/06 17:00*

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Company: *TCI*

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Company: *TCI*

Company: *TCI*

COOLER RECEIPT FORM

Project/Client: HONEYWELL Batch No.: [REDACTED]

1. Cooler(s)/Sample(s) received on: 12/16/06 Shipped via: UPS
Shipping Bill # (s): Various # of Coolers/Packages 3

2. Radiological Screening by: J. JOHNSON Acceptable YES Rejected NO N/A

3. Custody seals on outside of cooler:
If yes, where? Front Rear Lt Side Rt Side
Seals intact: YES NO

COOLER/SAMPLE PROCESSING

4. Sample Processing/Tagging by: Ammy Reed

5. Cooler(s)/Sample(s) Temp's: 10c 10c 10c
(or)
Temp. Blank (if included):

6. Type of packing material (circle): Ice Blue Ice Bubble Wrap Bubble Bags Zip Locks Webbing
Other:

7. Custody papers properly filled out (ink, signed, dated, released, etc.)? YES NO

8. Containers arrived in good condition (not broken, leaking, etc.)? YES NO

9. Samples received with adequate holding time remaining to conduct analysis? YES NO

10. Container labels complete (i.e. analysis, preservation, date/time, etc.)? YES NO

11. Container labels and tags agree with custody papers? YES NO

12. Correct types of containers used for the tests indicated?
a.) Adequate sample received? If not, note on Exception Report. YES NO

13. Containers supplied by: CAS Other

14. Preserved containers received with the appropriate preservative?
pH: VOAS @ <2 per docs (or) See pH log. YES NO N/A

15. VOA vials free of air bubbles? YES NO N/A

16. Trip Blank preparation date: 12/13/06 CAS Other N/A

17. Volatile Soil samples: Encores or Plugs in Vials
Freezer or GC/MS Date: Time: N/A

See Exception Report for discrepancies.

TPH – Diesel and Motor Oil

COLUMBIA ANALYTICAL SERVICES, INC.

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482

Service Request: D0602091

Cover Page - Organic Analysis Data Package
TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name	Lab Code	Date Collected	Date Received
ASE-66A-6D2	D0602091-002	12/15/2006	12/16/2006
ASE-68A-6D2	D0602091-003	12/15/2006	12/16/2006
PL-507-6D2	D0602091-004	12/15/2006	12/16/2006
ASE-20A-6D2	D0602091-005	12/15/2006	12/16/2006
ASE-51A-6D2	D0602091-006	12/15/2006	12/16/2006
ASE-53A-6D2	D0602091-007	12/15/2006	12/16/2006
ASE-52A-6D2	D0602091-008	12/15/2006	12/16/2006
ASE-65A-6D2	D0602091-009	12/15/2006	12/16/2006
ASE-51A-6D2MS	DWG0601084-1	12/15/2006	12/16/2006
ASE-51A-6D2DMS	DWG0601084-2	12/15/2006	12/16/2006

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Wida Ang

Name: WIDA ANG

Date: 12/28/06

Title: Organic Manager

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Water

Service Request: D0602091
Date Collected: 12/15/2006
Date Received: 12/16/2006

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: ASE-66A-6D2
Lab Code: D0602091-002
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	PQL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
C10 - C22 DRO (TPH-Diesel)	32	J	480	20	1	12/20/06	12/22/06	E4
C22 - C32 HRO (TPH-Motor Oil)	ND	U	480	30	1	12/20/06	12/22/06	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Octacosane	65	26-152	12/22/06	
Tricontane	63	40-140	12/22/06	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Water

Service Request: D0602091
Date Collected: 12/15/2006
Date Received: 12/16/2006

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: ASE-68A-6D2
Lab Code: D0602091-003
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	PQL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
C10 - C22 DRO (TPH-Diesel)	1600		480	20	1	12/20/06	12/22/06	
C22 - C32 HRO (TPH-Motor Oil)	ND	U	480	30	1	12/20/06	12/22/06	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Octacosane	69	26-152	12/22/06	
Tricontane	67	40-140	12/22/06	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Water

Service Request: D0602091
Date Collected: 12/15/2006
Date Received: 12/16/2006

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: PL-507-6D2
Lab Code: D0602091-004
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	PQL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
C10 - C22 DRO (TPH-Diesel)	2800		480	20	1	12/20/06	12/22/06	
C22 - C32 HRO (TPH-Motor Oil)	ND	U	480	30	1	12/20/06	12/22/06	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Octacosane	66	26-152	12/22/06	
Tricontane	64	40-140	12/22/06	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Water

Service Request: D0602091
Date Collected: 12/15/2006
Date Received: 12/16/2006

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: ASE-20A-6D2
Lab Code: D0602091-005
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	PQL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
C10 - C22 DRO (TPH-Diesel)	710		480	20	1	12/20/06	12/22/06	
C22 - C32 HRO (TPH-Motor Oil)	ND	U	480	30	1	12/20/06	12/22/06	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Octacosane	69	26-152	12/22/06	
Tricontane	68	40-140	12/22/06	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Water

Service Request: D0602091
Date Collected: 12/15/2006
Date Received: 12/16/2006

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: ASE-51A-6D2
Lab Code: D0602091-006
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	PQL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
C10 - C22 DRO (TPH-Diesel)	1100		480	20	1	12/20/06	12/23/06	
C22 - C32 HRO (TPH-Motor Oil)	38	J	480	30	1	12/20/06	12/23/06	E4

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Octacosane	66	26-152	12/23/06	
Tricontane	65	40-140	12/23/06	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Water

Service Request: D0602091
Date Collected: 12/15/2006
Date Received: 12/16/2006

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: ASE-53A-6D2
Lab Code: D0602091-007
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	PQL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
C10 - C22 DRO (TPH-Diesel)	89	J	480	20	1	12/20/06	12/23/06	E4
C22 - C32 HRO (TPH-Motor Oil)	ND	U	480	30	1	12/20/06	12/23/06	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Octacosane	64	26-152	12/23/06	
Tricontane	63	40-140	12/23/06	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Water

Service Request: D0602091
Date Collected: 12/15/2006
Date Received: 12/16/2006

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: ASE-52A-6D2
Lab Code: D0602091-008
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	PQL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
C10 - C22 DRO (TPH-Diesel)	570		480	20	1	12/20/06	12/23/06	
C22 - C32 HRO (TPH-Motor Oil)	30	J	480	30	1	12/20/06	12/23/06	E4

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Octacosane	65	26-152	12/23/06	
Tricontane	63	40-140	12/23/06	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Water

Service Request: D0602091
Date Collected: 12/15/2006
Date Received: 12/16/2006

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: ASE-65A-6D2
Lab Code: D0602091-009
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	PQL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
C10 - C22 DRO (TPH-Diesel)	25	J	480	20	1	12/20/06	12/23/06	E4
C22 - C32 HRO (TPH-Motor Oil)	ND	U	480	30	1	12/20/06	12/23/06	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Octacosane	66	26-152	12/23/06	
Tricontane	65	40-140	12/23/06	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Water

Service Request: D0602091
Date Collected: NA
Date Received: NA

TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: Method Blank
Lab Code: DWG0601084-4
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	PQL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
C10 - C22 DRO (TPH-Diesel)	ND	U	500	20	1	12/20/06	12/22/06	
C22 - C32 HRO (TPH-Motor Oil)	ND	U	500	30	1	12/20/06	12/22/06	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Octacosane	66	26-152	12/22/06	
Tricontane	64	40-140	12/22/06	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Water

Service Request: D0602091

Surrogate Recovery Summary
TPH-Diesel / Motor Oil Range Organics by SW8015B

Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: PERCENT
Level: Low

<u>Sample Name</u>	<u>Lab Code</u>	<u>Sur1</u>	<u>Sur2</u>
ASE-66A-6D2	D0602091-002	65	63
ASE-68A-6D2	D0602091-003	69	67
PL-507-6D2	D0602091-004	66	64
ASE-20A-6D2	D0602091-005	69	68
ASE-51A-6D2	D0602091-006	66	65
ASE-53A-6D2	D0602091-007	64	63
ASE-52A-6D2	D0602091-008	65	63
ASE-65A-6D2	D0602091-009	66	65
Method Blank	DWG0601084-4	66	64
ASE-51A-6D2MS	DWG0601084-1	99	98
ASE-51A-6D2DMS	DWG0601084-2	99	98
Lab Control Sample	DWG0601084-3	104	103

Surrogate Recovery Control Limits (%)

Sur1 = Octacosane	26-152
Sur2 = Tricontane	40-140

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Water

Service Request: D0602091
Date Extracted: 12/20/2006
Date Analyzed: 12/23/2006

Matrix Spike/Duplicate Matrix Spike Summary
TPH-Diesel / Motor Oil Range Organics by SW8015B

Sample Name: ASE-51A-6D2
Lab Code: D0602091-006
Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: DWG0601084

Analyte Name	Sample Result	ASE-51A-6D2MS DWG0601084-1 Matrix Spike			ASE-51A-6D2DMS DWG0601084-2 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
C10 - C22 DRO (TPH-Diesel)	1100	3410	2380	97	3430	2380	98	61-143	1	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Honeywell International, Incorporated
Project: Sky Harbor/2959482
Sample Matrix: Water

Service Request: D0602091
Date Extracted: 12/20/2006
Date Analyzed: 12/23/2006

Lab Control Spike Summary
TPH-Diesel / Motor Oil Range Organics by SW8015B

Extraction Method: EPA 3510C
Analysis Method: 8015B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: DWG0601084

Analyte Name	Lab Control Sample DWG0601084-3 Lab Control Spike			%Rec Limits
	Result	Expected	%Rec	
C10 - C22 DRO (TPH-Diesel)	2000	2500	80	61-143
C22 - C32 HRO (TPH-Motor Oil)	2010	2500	81	60-120

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

GC/MS VOLATILE ORGANICS

ORGANIC ANALYSES DATA PACKAGE

Analytical Method: SW8260

AAB #: D0602091

Lab Name: Columbia Analytical Services/Redding

Base/Command: HONEYWELL SKY HARBOR

Project: Sky Harbor

Field Sample ID

Lab Sample ID

TB-121506
ASE-66A-6D2
ASE-68A-6D2
PL-507-6D2
ASE-20A-6D2
ASE-51A-6D2
ASE-51A-6D2DL
ASE-51A-6D2MS
ASE-51A-6D2MSD
ASE-53A-6D2
ASE-52A-6D2
ASE-52A-6D2DL
ASE-65A-6D2

D0602091-001
D0602091-002
D0602091-003
D0602091-004
D0602091-005
D0602091-006
D0602091-006DL
D0602091-006MS
D0602091-006MSD
D0602091-007
D0602091-008
D0602091-008DL
D0602091-009

Comments:

I certify this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Brian Moore

Name: Brian Moore

Date: 12/29/06

Title: Technical Manager

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602091

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: TB-121506

Lab Sample ID: D0602091-001 Matrix: Water

% Solids:

Initial Calibration ID: 12/21/06MSM

Date Received: 12/16/06

Date Extracted:

Date Analyzed: 12/21/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	ND	1		
Vinyl chloride	0.22	1.0	ND	1		
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	ND	1		
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	ND	1		
Acetone	1.0	20	ND	1		
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	ND	1		
1,1-Dichloroethane	0.12	2.0	ND	1		
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	ND	1		
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	ND	1		
1,1,1-Trichloroethane	0.14	2.0	ND	1		
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	ND	1		
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	ND	1		
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	ND	1		
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	ND	1		
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A

Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602091

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: TB-121506

Lab Sample ID: D0602091-001 Matrix: Water

% Solids:

Initial Calibration ID: 12/21/06MSM

Date Received: 12/16/06

Date Extracted:

Date Analyzed: 12/21/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	ND	1		
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	ND	1		
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	ND	1		
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	ND	1		
Xylene (total)	0.14	10	ND	1		
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	ND	1		
Isopropylbenzene	0.17	2.0	ND	1		
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	ND	1		
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	ND	1		
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	ND	1		
1,2,4-Trimethylbenzene	0.13	2.0	ND	1		
sec-Butylbenzene	0.17	5.0	ND	1		
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	ND	1		
1,4-Dichlorobenzene	0.11	1.0	ND	1		
n-Butylbenzene	0.33	5.0	ND	1		L2
1,2-Dichlorobenzene	0.14	1.0	ND	1		
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		L2
Naphthalene	0.29	2.0	ND	1		
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602091

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: TB-121506

Lab Sample ID: D0602091-001 Matrix: Water

% Solids:

Initial Calibration ID: 12/21/06MSM

Date Received: 12/16/06

Date Extracted:

Date Analyzed: 12/21/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	101	82-124	
Dibromofluoromethane - SS	101	84-127	
Toluene-d8 - SS	102	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602091

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-66A-6D2

Lab Sample ID: D0602091-002 Matrix: Water

% Solids:

Initial Calibration ID: 12/21/06MSM

Date Received: 12/16/06

Date Extracted:

Date Analyzed: 12/21/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	ND	1		
Vinyl chloride	0.22	1.0	2.2	1		
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	ND	1		
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	0.27	1		E4
Acetone	1.0	20	1.2	1		E4
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	3.9	1		
1,1-Dichloroethane	0.12	2.0	10	1		
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	0.34	1		E4
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	0.29	1		E4
1,1,1-Trichloroethane	0.14	2.0	ND	1		
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	1.3	1		
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	2.3	1		
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	ND	1		
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	ND	1		
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602091

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-66A-6D2

Lab Sample ID: D0602091-002 Matrix: Water

% Solids:

Initial Calibration ID: 12/21/06MSM

Date Received: 12/16/06

Date Extracted:

Date Analyzed: 12/21/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	0.39	1		E4
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	ND	1		
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	ND	1		
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	2.8	1		
Xylene (total)	0.14	10	0.81	1		E4
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	ND	1		
Isopropylbenzene	0.17	2.0	1.2	1		E4
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	1.7	1		E4
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	0.28	1		E4
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	ND	1		
1,2,4-Trimethylbenzene	0.13	2.0	1.3	1		E4
sec-Butylbenzene	0.17	5.0	1.0	1		E4
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	0.21	1		E4
1,4-Dichlorobenzene	0.11	1.0	ND	1		
n-Butylbenzene	0.33	5.0	ND	1		L2
1,2-Dichlorobenzene	0.14	1.0	ND	1		
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		L2
Naphthalene	0.29	2.0	4.0	1		
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A

Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602091

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-66A-6D2

Lab Sample ID: D0602091-002 Matrix: Water

% Solids:

Initial Calibration ID: 12/21/06MSM

Date Received: 12/16/06

Date Extracted:

Date Analyzed: 12/21/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	101	82-124	
Dibromofluoromethane - SS	103	84-127	
Toluene-d8 - SS	102	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602091

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-68A-6D2

Lab Sample ID: D0602091-003 Matrix: Water

% Solids:

Initial Calibration ID: 12/21/06MSM

Date Received: 12/16/06

Date Extracted:

Date Analyzed: 12/21/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	0.81	1		E4
Vinyl chloride	0.22	1.0	25	1		
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	ND	1		
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	0.88	1		E4
Acetone	1.0	20	2.4	1		E4
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	150	1		
1,1-Dichloroethane	0.12	2.0	31	1		
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	14	1		
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	ND	1		
1,1,1-Trichloroethane	0.14	2.0	ND	1		
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	14	1		
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	8.2	1		
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	ND	1		
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	0.31	1		E4
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602091

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-68A-6D2

Lab Sample ID: D0602091-003 Matrix: Water

% Solids:

Initial Calibration ID: 12/21/06MSM

Date Received: 12/16/06

Date Extracted:

Date Analyzed: 12/21/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	0.40	1		E4
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	ND	1		
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	ND	1		
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	10	1		
Xylene (total)	0.14	10	3.4	1		E4
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	ND	1		
Isopropylbenzene	0.17	2.0	7.5	1		
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	12	1		
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	1.4	1		E4
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	1.3	1		E4
1,2,4-Trimethylbenzene	0.13	2.0	18	1		
sec-Butylbenzene	0.17	5.0	6.8	1		
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	3.3	1		
1,4-Dichlorobenzene	0.11	1.0	ND	1		
n-Butylbenzene	0.33	5.0	7.0	1		L2
1,2-Dichlorobenzene	0.14	1.0	ND	1		
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		L2
Naphthalene	0.29	2.0	21	1		
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A

Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2

RESULTS

Analytical Method: SW8260

AAB #: D0602091

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-68A-6D2

Lab Sample ID: D0602091-003 Matrix: Water

% Solids: _____

Initial Calibration ID: 12/21/06MSM

Date Received: 12/16/06

Date Extracted:

Date Analyzed: 12/21/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	102	82-124	
Dibromofluoromethane - SS	101	84-127	
Toluene-d8 - SS	100	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602091

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: PL-507-6D2

Lab Sample ID: D0602091-004 Matrix: Water

% Solids:

Initial Calibration ID: 12/21/06MSM

Date Received: 12/16/06

Date Extracted:

Date Analyzed: 12/21/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	ND	1		
Vinyl chloride	0.22	1.0	27	1		
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	ND	1		
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	0.86	1		E4
Acetone	1.0	20	1.7	1		E4
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	150	1		
1,1-Dichloroethane	0.12	2.0	31	1		
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	15	1		
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	ND	1		
1,1,1-Trichloroethane	0.14	2.0	ND	1		
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	14	1		
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	8.2	1		
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	ND	1		
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	0.28	1		E4
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A

Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602091

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: PL-507-6D2

Lab Sample ID: D0602091-004 Matrix: Water

% Solids:

Initial Calibration ID: 12/21/06MSM

Date Received: 12/16/06

Date Extracted:

Date Analyzed: 12/21/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	0.38	1		E4
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	ND	1		
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	ND	1		
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	10	1		
Xylene (total)	0.14	10	3.4	1		E4
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	ND	1		
Isopropylbenzene	0.17	2.0	7.6	1		
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	12	1		
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	1.4	1		E4
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	1.3	1		E4
1,2,4-Trimethylbenzene	0.13	2.0	18	1		
sec-Butylbenzene	0.17	5.0	7.0	1		
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	3.4	1		
1,4-Dichlorobenzene	0.11	1.0	ND	1		
n-Butylbenzene	0.33	5.0	7.3	1		L2
1,2-Dichlorobenzene	0.14	1.0	ND	1		
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		L2
Naphthalene	0.29	2.0	22	1		
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A

Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602091

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: PL-507-6D2

Lab Sample ID: D0602091-004 Matrix: Water

% Solids:

Initial Calibration ID: 12/21/06MSM

Date Received: 12/16/06

Date Extracted:

Date Analyzed: 12/21/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	103	82-124	
Dibromofluoromethane - SS	99	84-127	
Toluene-d8 - SS	100	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602091

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-20A-6D2

Lab Sample ID: D0602091-005 Matrix: Water

% Solids:

Initial Calibration ID: 12/21/06MSM

Date Received: 12/16/06

Date Extracted:

Date Analyzed: 12/21/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	ND	1		
Vinyl chloride	0.22	1.0	16	1		
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	ND	1		
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	ND	1		
Acetone	1.0	20	2.0	1		E4
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	6.8	1		
1,1-Dichloroethane	0.12	2.0	20	1		
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	0.79	1		E4
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	ND	1		
1,1,1-Trichloroethane	0.14	2.0	ND	1		
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	7.0	1		
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	1.6	1		
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	ND	1		
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	0.80	1		E4
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602091

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-20A-6D2

Lab Sample ID: D0602091-005 Matrix: Water

% Solids:

Initial Calibration ID: 12/21/06MSM

Date Received: 12/16/06

Date Extracted:

Date Analyzed: 12/21/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	0.26	1		E4
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	ND	1		
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	ND	1		
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	24	1		
Xylene (total)	0.14	10	4.6	1		E4
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	ND	1		
Isopropylbenzene	0.17	2.0	11	1		
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	10	1		
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	3.2	1		
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	0.67	1		E4
1,2,4-Trimethylbenzene	0.13	2.0	16	1		
sec-Butylbenzene	0.17	5.0	5.9	1		
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	1.5	1		E4
1,4-Dichlorobenzene	0.11	1.0	ND	1		
n-Butylbenzene	0.33	5.0	ND	1		L2
1,2-Dichlorobenzene	0.14	1.0	ND	1		
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		L2
Naphthalene	0.29	2.0	21	1		
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602091

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-20A-6D2

Lab Sample ID: D0602091-005 Matrix: Water

% Solids:

Initial Calibration ID: 12/21/06MSM

Date Received: 12/16/06

Date Extracted:

Date Analyzed: 12/21/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	101	82-124	
Dibromofluoromethane - SS	97	84-127	
Toluene-d8 - SS	99	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602091

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-51A-6D2

Lab Sample ID: D0602091-006 Matrix: Water

% Solids:

Initial Calibration ID: 12/21/06MSM

Date Received: 12/16/06

Date Extracted:

Date Analyzed: 12/22/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	ND	1		
Vinyl chloride	0.22	1.0	0.89	1		E4
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	3.7	1		E4
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	1.0	1		E4
Acetone	1.0	20	2.9	1		E4
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	0.33	1		E4
Iodomethane	0.20	10	0.22	1		E4
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	66	1		
1,1-Dichloroethane	0.12	2.0	16	1		
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	1.8	1		E4
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	0.29	1		E4
1,1,1-Trichloroethane	0.14	2.0	ND	1		
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	100	1		
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	4.9	1		
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	ND	1		
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	0.43	1		E4
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A

Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602091

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-51A-6D2

Lab Sample ID: D0602091-006 Matrix: Water

% Solids:

Initial Calibration ID: 12/21/06MSM

Date Received: 12/16/06

Date Extracted:

Date Analyzed: 12/22/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	0.42	1		E4
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	ND	1		
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	ND	1		
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	93	1		
Xylene (total)	0.14	10	84	1		
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	ND	1		
Isopropylbenzene	0.17	2.0	29	1		
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	35	1		
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	16	1		
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	1.2	1		E4
1,2,4-Trimethylbenzene	0.13	2.0	69	1		
sec-Butylbenzene	0.17	5.0	12	1		
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	5.9	1		
1,4-Dichlorobenzene	0.11	1.0	ND	1		
n-Butylbenzene	0.33	5.0	ND	1		L2
1,2-Dichlorobenzene	0.14	1.0	ND	1		
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		L2
Naphthalene	0.29	2.0	120	1		
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602091

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-51A-6D2

Lab Sample ID: D0602091-006 Matrix: Water

% Solids:

Initial Calibration ID: 12/21/06MSM

Date Received: 12/16/06

Date Extracted:

Date Analyzed: 12/22/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	101	82-124	
Dibromofluoromethane - SS	99	84-127	
Toluene-d8 - SS	99	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602091

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-51A-6D2DL

Lab Sample ID: D0602091-006DL

Matrix: Water

% Solids:

Initial Calibration ID: 12/21/06MSM

Date Received: 12/16/06

Date Extracted:

Date Analyzed: 12/22/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	3.6	50	ND	10		D2
Chloromethane	2.3	50	ND	10		D2
Vinyl chloride	2.2	10	ND	10		D2
Bromomethane	2.7	10	ND	10		D2
Chloroethane	2.0	50	ND	10		D2
Trichlorofluoromethane	1.4	50	ND	10		D2
1,1-Dichloroethene	1.9	20	ND	10		D2
Acetone	10	200	ND	10		D2
Carbon disulfide	1.1	50	ND	10		D2
Methylene chloride	1.5	50	ND	10		D2
Iodomethane	2.0	100	ND	10		D2
trans-1,2-Dichloroethene	1.6	20	ND	10		D2
Tert-butylmethylether	1.7	10	63	10		D2
1,1-Dichloroethane	1.2	20	15	10		D2E4
Vinyl acetate	8.4	250	ND	10		D2
2,2-Dichloropropane	3.3	20	ND	10		D2
cis-1,2-Dichloroethene	1.7	20	1.9	10		D2E4
2-Butanone	9.0	100	ND	10		D2
Bromochloromethane	2.5	50	ND	10		D2
Chloroform	1.4	20	ND	10		D2
1,1,1-Trichloroethane	1.4	20	ND	10		D2
1,1-Dichloropropene	1.8	20	ND	10		D2
Carbon tetrachloride	1.8	20	ND	10		D2
Benzene	1.2	10	110	10		D2
1,2-Dichloroethane	1.8	10	ND	10		D2
Trichloroethene	1.0	10	5.1	10		D2E4
1,2-Dichloropropane	1.7	20	ND	10		D2
Dibromomethane	1.8	20	ND	10		D2
Bromodichloromethane	1.7	10	ND	10		D2
cis-1,3-Dichloropropene	1.3	20	ND	10		D2
4-methyl-2-pentanone	8.5	100	ND	10		D2
Toluene	1.4	20	ND	10		D2
trans-1,3-Dichloropropene	1.9	20	ND	10		D2

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602091

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-51A-6D2DL

Lab Sample ID: D0602091-006DL Matrix: Water

% Solids:

Initial Calibration ID: 12/21/06MSM

Date Received: 12/16/06

Date Extracted:

Date Analyzed: 12/22/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	2.2	10	ND	10		D2
Tetrachloroethene	2.2	10	ND	10		D2
1,3-Dichloropropane	1.1	20	ND	10		D2
2-Hexanone	5.8	100	ND	10		D2
Dibromochloromethane	1.5	20	ND	10		D2
1,2-Dibromoethane	1.5	20	ND	10		D2
Chlorobenzene	1.5	10	ND	10		D2
1,1,1,2-Tetrachloroethane	2.3	50	ND	10		D2
Ethylbenzene	1.5	20	130	10		D2
Xylene (total)	1.4	100	84	10		D2E4
Styrene	1.6	20	ND	10		D2
Bromoform	1.8	50	ND	10		D2
Isopropylbenzene	1.7	20	28	10		D2
1,1,2,2-Tetrachloroethane	1.7	10	ND	10		D2
Bromobenzene	1.7	50	ND	10		D2
1,2,3-Trichloropropane	2.0	100	ND	10		D2
n-Propylbenzene	1.3	20	32	10		D2
2-Chlorotoluene	1.6	50	ND	10		D2
1,3,5-Trimethylbenzene	1.5	20	15	10		D2E4
4-Chlorotoluene	1.6	50	ND	10		D2
tert-Butylbenzene	1.8	50	10	10		D2E4
1,2,4-Trimethylbenzene	1.3	20	73	10		D2
sec-Butylbenzene	1.7	50	11	10		D2E4
1,3-Dichlorobenzene	1.1	10	ND	10		D2
p-Isopropyltoluene	1.0	20	5.4	10		D2E4
1,4-Dichlorobenzene	1.1	10	ND	10		D2
n-Butylbenzene	3.3	50	ND	10		D2
1,2-Dichlorobenzene	1.4	10	ND	10		D2
1,2-Dibromo-3-chloropropane	8.1	50	ND	10		D2
1,2,4-Trichlorobenzene	3.6	50	ND	10		D2
Hexachlorobutadiene	6.0	10	ND	10		D2
Naphthalene	2.9	20	170	10		D2
1,2,3-Trichlorobenzene	3.7	50	ND	10		D2

Surrogate Recoveries are reported in Appendix O-A

Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602091

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-51A-6D2DL

Lab Sample ID: D0602091-006DL Matrix: Water

% Solids:

Initial Calibration ID: 12/21/06MSM

Date Received: 12/16/06

Date Extracted:

Date Analyzed: 12/22/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	100	82-124	
Dibromofluoromethane - SS	99	84-127	
Toluene-d8 - SS	100	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602091

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-53A-6D2

Lab Sample ID: D0602091-007 Matrix: Water

% Solids:

Initial Calibration ID: 12/21/06MSM

Date Received: 12/16/06

Date Extracted:

Date Analyzed: 12/21/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	ND	1		
Vinyl chloride	0.22	1.0	ND	1		
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	ND	1		
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	1.4	1		E4
Acetone	1.0	20	1.8	1		E4
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	1.9	1		
1,1-Dichloroethane	0.12	2.0	0.78	1		E4
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	1.1	1		E4
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	1.1	1		E4
1,1,1-Trichloroethane	0.14	2.0	ND	1		
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	1.4	1		
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	6.8	1		
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	ND	1		
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	ND	1		
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602091

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-53A-6D2

Lab Sample ID: D0602091-007 Matrix: Water

% Solids:

Initial Calibration ID: 12/21/06MSM

Date Received: 12/16/06

Date Extracted:

Date Analyzed: 12/21/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	1.8	1		
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	ND	1		
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	ND	1		
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	6.7	1		
Xylene (total)	0.14	10	3.7	1		E4
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	ND	1		
Isopropylbenzene	0.17	2.0	2.6	1		
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	3.9	1		
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	1.2	1		E4
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	0.19	1		E4
1,2,4-Trimethylbenzene	0.13	2.0	6.0	1		
sec-Butylbenzene	0.17	5.0	1.5	1		E4
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	0.61	1		E4
1,4-Dichlorobenzene	0.11	1.0	ND	1		
n-Butylbenzene	0.33	5.0	ND	1		L2
1,2-Dichlorobenzene	0.14	1.0	ND	1		
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		L2
Naphthalene	0.29	2.0	15	1		
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602091

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-53A-6D2

Lab Sample ID: D0602091-007 Matrix: Water

% Solids:

Initial Calibration ID: 12/21/06MSM

Date Received: 12/16/06

Date Extracted:

Date Analyzed: 12/21/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	101	82-124	
Dibromofluoromethane - SS	100	84-127	
Toluene-d8 - SS	100	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602091

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-52A-6D2

Lab Sample ID: D0602091-008 Matrix: Water

% Solids:

Initial Calibration ID: 12/21/06MSM

Date Received: 12/16/06

Date Extracted:

Date Analyzed: 12/22/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	ND	1		
Vinyl chloride	0.22	1.0	0.80	1		E4
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	ND	1		
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	2.6	1		
Acetone	1.0	20	2.2	1		E4
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	50	1		
1,1-Dichloroethane	0.12	2.0	15	1		
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	2.2	1		
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	0.78	1		E4
1,1,1-Trichloroethane	0.14	2.0	ND	1		
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	210	1		
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	17	1		
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	ND	1		
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	1.8	1		E4
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A

Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602091

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-52A-6D2

Lab Sample ID: D0602091-008 Matrix: Water

% Solids:

Initial Calibration ID: 12/21/06MSM

Date Received: 12/16/06

Date Extracted:

Date Analyzed: 12/22/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	1.2	1		
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	ND	1		
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	ND	1		
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	45	1		
Xylene (total)	0.14	10	97	1		
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	ND	1		
Isopropylbenzene	0.17	2.0	9.4	1		
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	11	1		
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	12	1		
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	0.42	1		E4
1,2,4-Trimethylbenzene	0.13	2.0	64	1		
sec-Butylbenzene	0.17	5.0	4.4	1		E4
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	4.0	1		
1,4-Dichlorobenzene	0.11	1.0	ND	1		
n-Butylbenzene	0.33	5.0	ND	1		L2
1,2-Dichlorobenzene	0.14	1.0	ND	1		
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		L2
Naphthalene	0.29	2.0	62	1		
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

Comments:

ORGANIC ANALYSES DATA SHEET 2

RESULTS

Analytical Method: SW8260

AAB #: D0602091

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-52A-6D2

Lab Sample ID: D0602091-008 Matrix: Water

% Solids:

Initial Calibration ID: 12/21/06MSM

Date Received: 12/16/06

Date Extracted:

Date Analyzed: 12/22/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	103	82-124	
Dibromofluoromethane - SS	99	84-127	
Toluene-d8 - SS	99	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602091

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-52A-6D2DL

Lab Sample ID: D0602091-008DL Matrix: Water

% Solids:

Initial Calibration ID: 12/21/06MSM

Date Received: 12/16/06

Date Extracted:

Date Analyzed: 12/22/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	3.6	50	ND	10		D2
Chloromethane	2.3	50	ND	10		D2
Vinyl chloride	2.2	10	ND	10		D2
Bromomethane	2.7	10	ND	10		D2
Chloroethane	2.0	50	ND	10		D2
Trichlorofluoromethane	1.4	50	ND	10		D2
1,1-Dichloroethene	1.9	20	2.4	10		D2E4
Acetone	10	200	ND	10		D2
Carbon disulfide	1.1	50	ND	10		D2
Methylene chloride	1.5	50	ND	10		D2
Iodomethane	2.0	100	ND	10		D2
trans-1,2-Dichloroethene	1.6	20	ND	10		D2
Tert-butylmethylether	1.7	10	48	10		D2
1,1-Dichloroethane	1.2	20	14	10		D2E4
Vinyl acetate	8.4	250	ND	10		D2
2,2-Dichloropropane	3.3	20	ND	10		D2
cis-1,2-Dichloroethene	1.7	20	2.2	10		D2E4
2-Butanone	9.0	100	ND	10		D2
Bromochloromethane	2.5	50	ND	10		D2
Chloroform	1.4	20	ND	10		D2
1,1,1-Trichloroethane	1.4	20	ND	10		D2
1,1-Dichloropropene	1.8	20	ND	10		D2
Carbon tetrachloride	1.8	20	ND	10		D2
Benzene	1.2	10	380	10		D2
1,2-Dichloroethane	1.8	10	ND	10		D2
Trichloroethene	1.0	10	17	10		D2
1,2-Dichloropropane	1.7	20	ND	10		D2
Dibromomethane	1.8	20	ND	10		D2
Bromodichloromethane	1.7	10	ND	10		D2
cis-1,3-Dichloropropene	1.3	20	ND	10		D2
4-methyl-2-pentanone	8.5	100	ND	10		D2
Toluene	1.4	20	1.8	10		D2E4
trans-1,3-Dichloropropene	1.9	20	ND	10		D2

Surrogate Recoveries are reported in Appendix O-A

Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602091

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-52A-6D2DL

Lab Sample ID: D0602091-008DL Matrix: Water

% Solids: _____

Initial Calibration ID: 12/21/06MSM

Date Received: 12/16/06

Date Extracted: _____

Date Analyzed: 12/22/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	2.2	10	ND	10		D2
Tetrachloroethene	2.2	10	ND	10		D2
1,3-Dichloropropane	1.1	20	ND	10		D2
2-Hexanone	5.8	100	ND	10		D2
Dibromochloromethane	1.5	20	ND	10		D2
1,2-Dibromoethane	1.5	20	ND	10		D2
Chlorobenzene	1.5	10	ND	10		D2
1,1,1,2-Tetrachloroethane	2.3	50	ND	10		D2
Ethylbenzene	1.5	20	48	10		D2
Xylene (total)	1.4	100	100	10		D2
Styrene	1.6	20	ND	10		D2
Bromoform	1.8	50	ND	10		D2
Isopropylbenzene	1.7	20	8.9	10		D2E4
1,1,2,2-Tetrachloroethane	1.7	10	ND	10		D2
Bromobenzene	1.7	50	ND	10		D2
1,2,3-Trichloropropane	2.0	100	ND	10		D2
n-Propylbenzene	1.3	20	10	10		D2E4
2-Chlorotoluene	1.6	50	ND	10		D2
1,3,5-Trimethylbenzene	1.5	20	12	10		D2E4
4-Chlorotoluene	1.6	50	ND	10		D2
tert-Butylbenzene	1.8	50	ND	10		D2
1,2,4-Trimethylbenzene	1.3	20	67	10		D2
sec-Butylbenzene	1.7	50	4.6	10		D2E4
1,3-Dichlorobenzene	1.1	10	ND	10		D2
p-Isopropyltoluene	1.0	20	3.9	10		D2E4
1,4-Dichlorobenzene	1.1	10	ND	10		D2
n-Butylbenzene	3.3	50	ND	10		D2
1,2-Dichlorobenzene	1.4	10	ND	10		D2
1,2-Dibromo-3-chloropropane	8.1	50	ND	10		D2
1,2,4-Trichlorobenzene	3.6	50	ND	10		D2
Hexachlorobutadiene	6.0	10	ND	10		D2
Naphthalene	2.9	20	69	10		D2
1,2,3-Trichlorobenzene	3.7	50	ND	10		D2

Surrogate Recoveries are reported in Appendix O-A

Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602091

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-52A-6D2DL

Lab Sample ID: D0602091-008DL Matrix: Water

% Solids:

Initial Calibration ID: 12/21/06MSM

Date Received: 12/16/06

Date Extracted:

Date Analyzed: 12/22/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	101	82-124	
Dibromofluoromethane - SS	97	84-127	
Toluene-d8 - SS	102	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

*Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C*

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602091

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-65A-6D2

Lab Sample ID: D0602091-009

Matrix: Water

% Solids:

Initial Calibration ID: 12/21/06MSM

Date Received: 12/16/06

Date Extracted:

Date Analyzed: 12/22/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Dichlorodifluoromethane	0.36	5.0	ND	1		
Chloromethane	0.23	5.0	ND	1		
Vinyl chloride	0.22	1.0	ND	1		
Bromomethane	0.27	1.0	ND	1		
Chloroethane	0.20	5.0	ND	1		
Trichlorofluoromethane	0.14	5.0	ND	1		
1,1-Dichloroethene	0.19	2.0	0.86	1		E4
Acetone	1.0	20	1.3	1		E4
Carbon disulfide	0.11	5.0	ND	1		
Methylene chloride	0.15	5.0	ND	1		
Iodomethane	0.20	10	ND	1		
trans-1,2-Dichloroethene	0.16	2.0	ND	1		
Tert-butylmethylether	0.17	1.0	0.22	1		E4
1,1-Dichloroethane	0.12	2.0	0.74	1		E4
Vinyl acetate	0.84	25	ND	1		
2,2-Dichloropropane	0.33	2.0	ND	1		
cis-1,2-Dichloroethene	0.17	2.0	3.0	1		
2-Butanone	0.90	10	ND	1		
Bromochloromethane	0.25	5.0	ND	1		
Chloroform	0.14	2.0	1.1	1		E4
1,1,1-Trichloroethane	0.14	2.0	ND	1		
1,1-Dichloropropene	0.18	2.0	ND	1		
Carbon tetrachloride	0.18	2.0	ND	1		
Benzene	0.12	1.0	0.68	1		E4
1,2-Dichloroethane	0.18	1.0	ND	1		
Trichloroethene	0.10	1.0	8.4	1		
1,2-Dichloropropane	0.17	2.0	ND	1		
Dibromomethane	0.18	2.0	ND	1		
Bromodichloromethane	0.17	1.0	ND	1		
cis-1,3-Dichloropropene	0.13	2.0	ND	1		
4-methyl-2-pentanone	0.85	10	ND	1		
Toluene	0.14	2.0	ND	1		
trans-1,3-Dichloropropene	0.19	2.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A

Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260

AAB #: D0602091

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-65A-6D2

Lab Sample ID: D0602091-009

Matrix: Water

% Solids:

Initial Calibration ID: 12/21/06MSM

Date Received: 12/16/06

Date Extracted:

Date Analyzed: 12/22/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L

Sample Volume: 5.000 ML

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1,2-Trichloroethane	0.22	1.0	ND	1		
Tetrachloroethene	0.22	1.0	1.1	1		
1,3-Dichloropropane	0.11	2.0	ND	1		
2-Hexanone	0.58	10	ND	1		
Dibromochloromethane	0.15	2.0	ND	1		
1,2-Dibromoethane	0.15	2.0	ND	1		
Chlorobenzene	0.15	1.0	ND	1		
1,1,1,2-Tetrachloroethane	0.23	5.0	ND	1		
Ethylbenzene	0.15	2.0	2.5	1		
Xylene (total)	0.14	10	0.82	1		E4
Styrene	0.16	2.0	ND	1		
Bromoform	0.18	5.0	ND	1		
Isopropylbenzene	0.17	2.0	1.2	1		E4
1,1,2,2-Tetrachloroethane	0.17	1.0	ND	1		
Bromobenzene	0.17	5.0	ND	1		
1,2,3-Trichloropropane	0.20	10	ND	1		
n-Propylbenzene	0.13	2.0	1.8	1		E4
2-Chlorotoluene	0.16	5.0	ND	1		
1,3,5-Trimethylbenzene	0.15	2.0	0.29	1		E4
4-Chlorotoluene	0.16	5.0	ND	1		
tert-Butylbenzene	0.18	5.0	ND	1		
1,2,4-Trimethylbenzene	0.13	2.0	1.8	1		E4
sec-Butylbenzene	0.17	5.0	0.74	1		E4
1,3-Dichlorobenzene	0.11	1.0	ND	1		
p-Isopropyltoluene	0.10	2.0	0.21	1		E4
1,4-Dichlorobenzene	0.11	1.0	ND	1		
n-Butylbenzene	0.33	5.0	ND	1		L2
1,2-Dichlorobenzene	0.14	1.0	ND	1		
1,2-Dibromo-3-chloropropane	0.81	5.0	ND	1		
1,2,4-Trichlorobenzene	0.36	5.0	ND	1		
Hexachlorobutadiene	0.60	1.0	ND	1		L2
Naphthalene	0.29	2.0	7.4	1		
1,2,3-Trichlorobenzene	0.37	5.0	ND	1		

Surrogate Recoveries are reported in Appendix O-A

Internal Standards are reported in Appendix O-C

Comments:

ORGANIC ANALYSES DATA SHEET 2

RESULTS

Analytical Method: SW8260

AAB #: D0602091

Lab Name: Columbia Analytical Services/Redding

Field Sample ID: ASE-65A-6D2

Lab Sample ID: D0602091-009 Matrix: Water

% Solids: _____

Initial Calibration ID: 12/21/06MSM

Date Received: 12/16/06

Date Extracted: _____

Date Analyzed: 12/22/06

Concentration Units (ug/L or ug/Kg dry weight): UG/L Sample Volume: 5.000 ML

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	102	82-124	
Dibromofluoromethane - SS	98	84-127	
Toluene-d8 - SS	102	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

Surrogate Recoveries are reported in Appendix O-A
Internal Standards are reported in Appendix O-C

ORGANIC ANALYSES DATA SHEET 6
BLANKS

Analytical Method: SW8260

AAB #: D0602091

Lab Name: Columbia Analytical Services/Redding

Concentration Units (ug/L or mg/kg): UG/L Method Blank ID: M1221W01

Lab Sample ID: M1221W01

Initial Calibration ID: 12/21/06MSM

Analyte	MDL	Method Blank	RL	Q
Dichlorodifluoromethane	0.36	ND	5.0	
Chloromethane	0.23	ND	5.0	
Vinyl chloride	0.22	ND	1.0	
Bromomethane	0.27	ND	1.0	
Chloroethane	0.20	ND	5.0	
Trichlorofluoromethane	0.14	ND	5.0	
1,1-Dichloroethene	0.19	ND	2.0	
Acetone	1.0	ND	20	
Carbon disulfide	0.11	ND	5.0	
Methylene chloride	0.15	ND	5.0	
Iodomethane	0.20	ND	10	
trans-1,2-Dichloroethene	0.16	ND	2.0	
Tert-butylmethylether	0.17	ND	1.0	
1,1-Dichloroethane	0.12	ND	2.0	
Vinyl acetate	0.84	ND	25	
2,2-Dichloropropane	0.33	ND	2.0	
cis-1,2-Dichloroethene	0.17	ND	2.0	
2-Butanone	0.90	ND	10	
Bromochloromethane	0.25	ND	5.0	
Chloroform	0.14	ND	2.0	
1,1,1-Trichloroethane	0.14	ND	2.0	
1,1-Dichloropropene	0.18	ND	2.0	
Carbon tetrachloride	0.18	ND	2.0	
Benzene	0.12	ND	1.0	
1,2-Dichloroethane	0.18	ND	1.0	
Trichloroethene	0.10	ND	1.0	
1,2-Dichloropropane	0.17	ND	2.0	
Dibromomethane	0.18	ND	2.0	
Bromodichloromethane	0.17	ND	1.0	
cis-1,3-Dichloropropene	0.13	ND	2.0	
4-methyl-2-pentanone	0.85	ND	10	
Toluene	0.14	ND	2.0	
trans-1,3-Dichloropropene	0.19	ND	2.0	

Comments:

ORGANIC ANALYSES DATA SHEET 6
BLANKS

Analytical Method: SW8260

AAB #: D0602091

Lab Name: Columbia Analytical Services/Redding

Concentration Units (ug/L or mg/kg): UG/L Method Blank ID: M1221W01

Lab Sample ID: M1221W01

Initial Calibration ID: 12/21/06MSM

Analyte	MDL	Method Blank	RL	Q
1,1,2-Trichloroethane	0.22	ND	1.0	
Tetrachloroethene	0.22	ND	1.0	
1,3-Dichloropropane	0.11	ND	2.0	
2-Hexanone	0.58	ND	10	
Dibromochloromethane	0.15	ND	2.0	
1,2-Dibromoethane	0.15	ND	2.0	
Chlorobenzene	0.15	ND	1.0	
1,1,1,2-Tetrachloroethane	0.23	ND	5.0	
Ethylbenzene	0.15	ND	2.0	
Xylene (total)	0.14	ND	10	
Styrene	0.16	ND	2.0	
Bromoform	0.18	ND	5.0	
Isopropylbenzene	0.17	ND	2.0	
1,1,2,2-Tetrachloroethane	0.17	ND	1.0	
Bromobenzene	0.17	ND	5.0	
1,2,3-Trichloropropane	0.20	ND	10	
n-Propylbenzene	0.13	ND	2.0	
2-Chlorotoluene	0.16	ND	5.0	
1,3,5-Trimethylbenzene	0.15	ND	2.0	
4-Chlorotoluene	0.16	ND	5.0	
tert-Butylbenzene	0.18	ND	5.0	
1,2,4-Trimethylbenzene	0.13	ND	2.0	
sec-Butylbenzene	0.17	ND	5.0	
1,3-Dichlorobenzene	0.11	ND	1.0	
p-Isopropyltoluene	0.10	ND	2.0	
1,4-Dichlorobenzene	0.11	ND	1.0	
n-Butylbenzene	0.33	ND	5.0	L2
1,2-Dichlorobenzene	0.14	ND	1.0	
1,2-Dibromo-3-chloropropane	0.81	ND	5.0	
1,2,4-Trichlorobenzene	0.36	ND	5.0	
Hexachlorobutadiene	0.60	ND	1.0	L2
Naphthalene	0.29	ND	2.0	
1,2,3-Trichlorobenzene	0.37	ND	5.0	

Comments:

ORGANIC ANALYSES DATA SHEET 6
BLANKS

Analytical Method: SW8260

AAB #: D0602091

Lab Name: Columbia Analytical Services/Redding

Concentration Units (ug/L or mg/kg): UG/L Method Blank ID: M1221W01

Lab Sample ID: M1221W01

Initial Calibration ID: 12/21/06MSM

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	102	82-124	
Dibromofluoromethane - SS	99	84-127	
Toluene-d8 - SS	101	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

ORGANIC ANALYSES DATA SHEET 6
BLANKS

Analytical Method: SW8260 AAB #: D0602091

Lab Name: Columbia Analytical Services/Redding

Concentration Units (ug/L or mg/kg): UG/L Method Blank ID: M1222W01

Lab Sample ID: M1222W01

Initial Calibration ID: 12/21/06MSM

Analyte	MDL	Method Blank	RL	Q
Dichlorodifluoromethane	0.36	ND	5.0	
Chloromethane	0.23	ND	5.0	
Vinyl chloride	0.22	ND	1.0	
Bromomethane	0.27	ND	1.0	
Chloroethane	0.20	ND	5.0	
Trichlorofluoromethane	0.14	ND	5.0	
1,1-Dichloroethene	0.19	ND	2.0	
Acetone	1.0	ND	20	
Carbon disulfide	0.11	ND	5.0	
Methylene chloride	0.15	ND	5.0	
Iodomethane	0.20	ND	10	
trans-1,2-Dichloroethene	0.16	ND	2.0	
Tert-butylmethylether	0.17	ND	1.0	
1,1-Dichloroethane	0.12	ND	2.0	
Vinyl acetate	0.84	ND	25	
2,2-Dichloropropane	0.33	ND	2.0	
cis-1,2-Dichloroethene	0.17	ND	2.0	
2-Butanone	0.90	ND	10	
Bromochloromethane	0.25	ND	5.0	
Chloroform	0.14	ND	2.0	
1,1,1-Trichloroethane	0.14	ND	2.0	
1,1-Dichloropropene	0.18	ND	2.0	
Carbon tetrachloride	0.18	ND	2.0	
Benzene	0.12	ND	1.0	
1,2-Dichloroethane	0.18	ND	1.0	
Trichloroethene	0.10	ND	1.0	
1,2-Dichloropropane	0.17	ND	2.0	
Dibromomethane	0.18	ND	2.0	
Bromodichloromethane	0.17	ND	1.0	
cis-1,3-Dichloropropene	0.13	ND	2.0	
4-methyl-2-pentanone	0.85	ND	10	
Toluene	0.14	ND	2.0	
trans-1,3-Dichloropropene	0.19	ND	2.0	

Comments:

ORGANIC ANALYSES DATA SHEET 6
BLANKS

Analytical Method: SW8260

AAB #: D0602091

Lab Name: Columbia Analytical Services/Redding

Concentration Units (ug/L or mg/kg): UG/L Method Blank ID: M1222W01

Lab Sample ID: M1222W01

Initial Calibration ID: 12/21/06MSM

Analyte	MDL	Method Blank	RL	Q
1,1,2-Trichloroethane	0.22	ND	1.0	
Tetrachloroethene	0.22	ND	1.0	
1,3-Dichloropropane	0.11	ND	2.0	
2-Hexanone	0.58	ND	10	
Dibromochloromethane	0.15	ND	2.0	
1,2-Dibromoethane	0.15	ND	2.0	
Chlorobenzene	0.15	ND	1.0	
1,1,1,2-Tetrachloroethane	0.23	ND	5.0	
Ethylbenzene	0.15	ND	2.0	
Xylene (total)	0.14	ND	10	
Styrene	0.16	ND	2.0	
Bromoform	0.18	ND	5.0	
Isopropylbenzene	0.17	ND	2.0	
1,1,2,2-Tetrachloroethane	0.17	ND	1.0	
Bromobenzene	0.17	ND	5.0	
1,2,3-Trichloropropane	0.20	ND	10	
n-Propylbenzene	0.13	ND	2.0	
2-Chlorotoluene	0.16	ND	5.0	
1,3,5-Trimethylbenzene	0.15	ND	2.0	
4-Chlorotoluene	0.16	ND	5.0	
tert-Butylbenzene	0.18	ND	5.0	
1,2,4-Trimethylbenzene	0.13	ND	2.0	
sec-Butylbenzene	0.17	ND	5.0	
1,3-Dichlorobenzene	0.11	ND	1.0	
p-Isopropyltoluene	0.10	ND	2.0	
1,4-Dichlorobenzene	0.11	ND	1.0	
n-Butylbenzene	0.33	ND	5.0	
1,2-Dichlorobenzene	0.14	ND	1.0	
1,2-Dibromo-3-chloropropane	0.81	ND	5.0	
1,2,4-Trichlorobenzene	0.36	ND	5.0	
Hexachlorobutadiene	0.60	ND	1.0	
Naphthalene	0.29	ND	2.0	
1,2,3-Trichlorobenzene	0.37	ND	5.0	

Comments:

ORGANIC ANALYSES DATA SHEET 6
BLANKS

Analytical Method: SW8260

AAB #: D0602091

Lab Name: Columbia Analytical Services/Redding

Concentration Units (ug/L or mg/kg): UG/L Method Blank ID: M1222W01

Lab Sample ID: M1222W01

Initial Calibration ID: 12/21/06MSM

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	100	82-124	
Dibromofluoromethane - SS	98	84-127	
Toluene-d8 - SS	101	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260

AAB #: D0602091

Lab Name: Columbia Analytical Services/Redding

LCS ID: M1221W01LCS

Concentration Units (ug/L or mg/kg): UG/L

Date Extracted: _____ Date Analyzed: 12/21/06

Initial Calibration ID: 12/21/06MSM

Analyte	Expected	Found	%R	Control Limits	Q
Dichlorodifluoromethane	10.0	9.6	96	27-158	
Chloromethane	10.0	10.5	105	51-137	
Vinyl chloride	10.0	10.3	103	57-137	
Bromomethane	10.0	10.3	103	44-156	
Chloroethane	10.0	10.2	102	60-140	
Trichlorofluoromethane	10.0	10.9	109	54-146	
1,1-Dichloroethene	10.0	10.7	107	70-130	
Acetone	50.0	53.7	107	55-137	
Carbon disulfide	10.0	9.8	98	50-127	
Methylene chloride	10.0	10.0	100	73-121	
Iodomethane	10.0	9.7	97	50-150	E4
trans-1,2-Dichloroethene	10.0	9.6	96	74-124	
Tert-butylmethylether	10.0	9.7	97	75-119	
1,1-Dichloroethane	10.0	10.0	100	78-121	
Vinyl acetate	10.0	9.9	99	52-129	E4
2,2-Dichloropropane	10.0	9.0	90	61-137	
cis-1,2-Dichloroethene	10.0	9.9	99	80-118	
2-Butanone	50.0	52.0	104	76-122	
Bromochloromethane	10.0	9.9	99	82-118	
Chloroform	10.0	9.7	97	73-125	
1,1,1-Trichloroethane	10.0	9.9	99	76-124	
1,1-Dichloropropene	10.0	9.7	97	80-119	
Carbon tetrachloride	10.0	9.6	96	68-135	
Benzene	10.0	10.2	102	81-119	
1,2-Dichloroethane	10.0	10.0	100	75-122	
Trichloroethene	10.0	9.9	99	79-118	
1,2-Dichloropropane	10.0	9.9	99	82-115	
Dibromomethane	10.0	10.0	100	84-116	
Bromodichloromethane	10.0	9.6	96	81-122	
cis-1,3-Dichloropropene	10.0	9.9	99	78-118	
4-methyl-2-pentanone	50.0	51.1	102	81-127	
Toluene	10.0	10.0	100	83-116	
trans-1,3-Dichloropropene	10.0	10.0	100	73-122	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260

AAB #: D0602091

Lab Name: Columbia Analytical Services/Redding

LCS ID: M1221W01LCS

Concentration Units (ug/L or mg/kg): UG/L

Date Extracted: _____ Date Analyzed: 12/21/06

Initial Calibration ID: 12/21/06MSM

Analyte	Expected	Found	%R	Control Limits	Q
1,1,2-Trichloroethane	10.0	10.3	103	83-120	
Tetrachloroethene	10.0	9.8	98	82-118	
1,3-Dichloropropane	10.0	10.4	104	82-119	
2-Hexanone	50.0	50.9	102	81-130	
Dibromochloromethane	10.0	9.8	98	79-124	
1,2-Dibromoethane	10.0	10.1	101	82-116	
Chlorobenzene	10.0	10.1	101	86-114	
1,1,1,2-Tetrachloroethane	10.0	9.7	97	79-122	
Ethylbenzene	10.0	10.1	101	86-116	
Xylene (total)	30.0	29.3	98	85-117	
Styrene	10.0	9.8	98	84-119	
Bromoform	10.0	9.4	94	71-133	
Isopropylbenzene	10.0	9.8	98	77-117	
1,1,2,2-Tetrachloroethane	10.0	11.4	114	80-117	
Bromobenzene	10.0	10.6	106	84-120	
1,2,3-Trichloropropane	10.0	11.1	111	81-122	
n-Propylbenzene	10.0	9.9	99	87-117	
2-Chlorotoluene	10.0	10.2	102	87-119	
1,3,5-Trimethylbenzene	10.0	10.2	102	83-120	
4-Chlorotoluene	10.0	10.3	103	86-118	
tert-Butylbenzene	10.0	9.2	92	82-122	
1,2,4-Trimethylbenzene	10.0	10.0	100	86-121	
sec-Butylbenzene	10.0	9.6	96	84-128	
1,3-Dichlorobenzene	10.0	10.2	102	85-119	
p-Isopropyltoluene	10.0	9.1	91	84-121	
1,4-Dichlorobenzene	10.0	10.1	101	84-118	
n-Butylbenzene	10.0	7.9	79	81-123	L2
1,2-Dichlorobenzene	10.0	10.2	102	85-117	
1,2-Dibromo-3-chloropropane	40.0	41.9	105	67-121	
1,2,4-Trichlorobenzene	10.0	7.8	78	69-128	
Hexachlorobutadiene	10.0	6.2	62	71-135	L2
Naphthalene	10.0	8.6	86	60-131	
1,2,3-Trichlorobenzene	10.0	7.9	79	69-130	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260

AAB #: D0602091

Lab Name: Columbia Analytical Services/Redding

LCS ID: M1221W01LCS Concentration Units (ug/L or mg/kg): UG/L

Date Extracted: _____ Date Analyzed: 12/21/06

Initial Calibration ID: 12/21/06MSM

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	105	82-124	
Dibromofluoromethane - SS	103	84-127	
Toluene-d8 - SS	102	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260

AAB #: D0602091

Lab Name: Columbia Analytical Services/Redding

LCS ID: M1221W01LCSD Concentration Units (ug/L or mg/kg): UG/L

Date Extracted: _____ Date Analyzed: 12/21/06

Initial Calibration ID: 12/21/06MSM

Analyte	Expected	Found	%R	Control Limits	Q
Dichlorodifluoromethane	10.0	9.9	99	27-158	
Chloromethane	10.0	10.2	102	51-137	
Vinyl chloride	10.0	10.2	102	57-137	
Bromomethane	10.0	9.7	97	44-156	
Chloroethane	10.0	9.8	98	60-140	
Trichlorofluoromethane	10.0	10.6	106	54-146	
1,1-Dichloroethene	10.0	10.4	104	70-130	
Acetone	50.0	53.1	106	55-137	
Carbon disulfide	10.0	9.4	94	50-127	
Methylene chloride	10.0	9.6	96	73-121	
Iodomethane	10.0	9.4	94	50-150	E4
trans-1,2-Dichloroethene	10.0	9.5	95	74-124	
Tert-butylmethylether	10.0	9.5	95	75-119	
1,1-Dichloroethane	10.0	9.9	99	78-121	
Vinyl acetate	10.0	9.7	97	52-129	E4
2,2-Dichloropropane	10.0	8.7	87	61-137	
cis-1,2-Dichloroethene	10.0	9.8	98	80-118	
2-Butanone	50.0	50.6	101	76-122	
Bromochloromethane	10.0	9.6	96	82-118	
Chloroform	10.0	9.7	97	73-125	
1,1,1-Trichloroethane	10.0	9.6	96	76-124	
1,1-Dichloropropene	10.0	9.9	99	80-119	
Carbon tetrachloride	10.0	9.6	96	68-135	
Benzene	10.0	10.1	101	81-119	
1,2-Dichloroethane	10.0	9.9	99	75-122	
Trichloroethene	10.0	9.8	98	79-118	
1,2-Dichloropropane	10.0	9.7	97	82-115	
Dibromomethane	10.0	9.7	97	84-116	
Bromodichloromethane	10.0	9.5	95	81-122	
cis-1,3-Dichloropropene	10.0	9.9	99	78-118	
4-methyl-2-pentanone	50.0	51.2	102	81-127	
Toluene	10.0	10.0	100	83-116	
trans-1,3-Dichloropropene	10.0	9.7	97	73-122	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260

AAB #: D0602091

Lab Name: Columbia Analytical Services/Redding

LCS ID: M1221W01LCSD Concentration Units (ug/L or mg/kg): UG/L

Date Extracted: _____ Date Analyzed: 12/21/06

Initial Calibration ID: 12/21/06MSM

Analyte	Expected	Found	%R	Control Limits	Q
1,1,2-Trichloroethane	10.0	10.0	100	83-120	
Tetrachloroethene	10.0	9.6	96	82-118	
1,3-Dichloropropane	10.0	10.1	101	82-119	
2-Hexanone	50.0	50.4	101	81-130	
Dibromochloromethane	10.0	9.6	96	79-124	
1,2-Dibromoethane	10.0	9.8	98	82-116	
Chlorobenzene	10.0	10.1	101	86-114	
1,1,1,2-Tetrachloroethane	10.0	9.6	96	79-122	
Ethylbenzene	10.0	10.1	101	86-116	
Xylene (total)	30.0	29.4	98	85-117	
Styrene	10.0	9.8	98	84-119	
Bromoform	10.0	9.4	94	71-133	
Isopropylbenzene	10.0	9.9	99	77-117	
1,1,2,2-Tetrachloroethane	10.0	11.0	110	80-117	
Bromobenzene	10.0	10.4	104	84-120	
1,2,3-Trichloropropane	10.0	10.5	105	81-122	
n-Propylbenzene	10.0	10.0	100	87-117	
2-Chlorotoluene	10.0	10.2	102	87-119	
1,3,5-Trimethylbenzene	10.0	9.7	97	83-120	
4-Chlorotoluene	10.0	10.2	102	86-118	
tert-Butylbenzene	10.0	10.8	108	82-122	
1,2,4-Trimethylbenzene	10.0	10.2	102	86-121	
sec-Butylbenzene	10.0	9.9	99	84-128	
1,3-Dichlorobenzene	10.0	10.1	101	85-119	
p-Isopropyltoluene	10.0	9.3	93	84-121	
1,4-Dichlorobenzene	10.0	9.9	99	84-118	
n-Butylbenzene	10.0	8.4	84	81-123	L2
1,2-Dichlorobenzene	10.0	10.0	100	85-117	
1,2-Dibromo-3-chloropropane	40.0	39.0	98	67-121	
1,2,4-Trichlorobenzene	10.0	8.2	82	69-128	
Hexachlorobutadiene	10.0	6.8	68	71-135	L2
Naphthalene	10.0	8.7	87	60-131	
1,2,3-Trichlorobenzene	10.0	8.0	80	69-130	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260

AAB #: D0602091

Lab Name: Columbia Analytical Services/Redding

LCS ID: M1221W01LCSD Concentration Units (ug/L or mg/kg): UG/L

Date Extracted: _____ Date Analyzed: 12/21/06

Initial Calibration ID: 12/21/06MSM

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	106	82-124	
Dibromofluoromethane - SS	101	84-127	
Toluene-d8 - SS	101	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260

AAB #: D0602091

Lab Name: Columbia Analytical Services/Redding

LCS ID: M1222W01LCS Concentration Units (ug/L or mg/kg): UG/L

Date Extracted: _____ Date Analyzed: 12/22/06

Initial Calibration ID: 12/21/06MSM

Analyte	Expected	Found	%R	Control Limits	Q
Dichlorodifluoromethane	10.0	9.7	97	27-158	
Chloromethane	10.0	10.2	102	51-137	
Vinyl chloride	10.0	10.1	101	57-137	
Bromomethane	10.0	9.8	98	44-156	
Chloroethane	10.0	10.0	100	60-140	
Trichlorofluoromethane	10.0	10.1	101	54-146	
1,1-Dichloroethene	10.0	10.3	103	70-130	
Acetone	50.0	49.2	98	55-137	
Carbon disulfide	10.0	9.6	96	50-127	
Methylene chloride	10.0	9.8	98	73-121	
Iodomethane	10.0	9.3	93	50-150	E4
trans-1,2-Dichloroethene	10.0	9.5	95	74-124	
Tert-butylmethylether	10.0	9.2	92	75-119	
1,1-Dichloroethane	10.0	9.5	95	78-121	
Vinyl acetate	10.0	9.2	92	52-129	E4
2,2-Dichloropropane	10.0	9.7	97	61-137	
cis-1,2-Dichloroethene	10.0	9.5	95	80-118	
2-Butanone	50.0	48.2	96	76-122	
Bromochloromethane	10.0	9.2	92	82-118	
Chloroform	10.0	9.3	93	73-125	
1,1,1-Trichloroethane	10.0	9.5	95	76-124	
1,1-Dichloropropene	10.0	9.5	95	80-119	
Carbon tetrachloride	10.0	9.2	92	68-135	
Benzene	10.0	9.7	97	81-119	
1,2-Dichloroethane	10.0	9.4	94	75-122	
Trichloroethene	10.0	9.6	96	79-118	
1,2-Dichloropropane	10.0	9.2	92	82-115	
Dibromomethane	10.0	9.2	92	84-116	
Bromodichloromethane	10.0	9.0	90	81-122	
cis-1,3-Dichloropropene	10.0	9.3	93	78-118	
4-methyl-2-pentanone	50.0	48.1	96	81-127	
Toluene	10.0	9.8	98	83-116	
trans-1,3-Dichloropropene	10.0	9.4	94	73-122	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260

AAB #: D0602091

Lab Name: Columbia Analytical Services/Redding

LCS ID: M1222W01LCS

Concentration Units (ug/L or mg/kg): UG/L

Date Extracted: _____ Date Analyzed: 12/22/06

Initial Calibration ID: 12/21/06MSM

Analyte	Expected	Found	%R	Control Limits	Q
1,1,2-Trichloroethane	10.0	9.4	94	83-120	
Tetrachloroethene	10.0	9.9	99	82-118	
1,3-Dichloropropane	10.0	9.6	96	82-119	
2-Hexanone	50.0	48.1	96	81-130	
Dibromochloromethane	10.0	9.1	91	79-124	
1,2-Dibromoethane	10.0	9.6	96	82-116	
Chlorobenzene	10.0	9.9	99	86-114	
1,1,1,2-Tetrachloroethane	10.0	9.2	92	79-122	
Ethylbenzene	10.0	10.0	100	86-116	
Xylene (total)	30.0	29.6	99	85-117	
Styrene	10.0	9.8	98	84-119	
Bromoform	10.0	9.2	92	71-133	
Isopropylbenzene	10.0	10.1	101	77-117	
1,1,2,2-Tetrachloroethane	10.0	10.2	102	80-117	
Bromobenzene	10.0	10.1	101	84-120	
1,2,3-Trichloropropane	10.0	10.0	100	81-122	
n-Propylbenzene	10.0	10.1	101	87-117	
2-Chlorotoluene	10.0	9.8	98	87-119	
1,3,5-Trimethylbenzene	10.0	10.4	104	83-120	
4-Chlorotoluene	10.0	10.0	100	86-118	
tert-Butylbenzene	10.0	11.0	110	82-122	
1,2,4-Trimethylbenzene	10.0	10.4	104	86-121	
sec-Butylbenzene	10.0	10.4	104	84-128	
1,3-Dichlorobenzene	10.0	10.1	101	85-119	
p-Isopropyltoluene	10.0	9.8	98	84-121	
1,4-Dichlorobenzene	10.0	9.8	98	84-118	
n-Butylbenzene	10.0	9.4	94	81-123	
1,2-Dichlorobenzene	10.0	9.9	99	85-117	
1,2-Dibromo-3-chloropropane	40.0	37.3	93	67-121	
1,2,4-Trichlorobenzene	10.0	9.0	90	69-128	
Hexachlorobutadiene	10.0	9.0	90	71-135	
Naphthalene	10.0	9.6	96	60-131	
1,2,3-Trichlorobenzene	10.0	8.7	87	69-130	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260

AAB #: D0602091

Lab Name: Columbia Analytical Services/Redding

LCS ID: M1222W01LCS Concentration Units (ug/L or mg/kg): UG/L

Date Extracted: _____ Date Analyzed: 12/22/06

Initial Calibration ID: 12/21/06MSM

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	103	82-124	
Dibromofluoromethane - SS	99	84-127	
Toluene-d8 - SS	100	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260

AAB #: D0602091

Lab Name: Columbia Analytical Services/Redding

LCS ID: M1222W01LCSD Concentration Units (ug/L or mg/kg): UG/L

Date Extracted: _____ Date Analyzed: 12/22/06

Initial Calibration ID: 12/21/06MSM

Analyte	Expected	Found	%R	Control Limits	Q
Dichlorodifluoromethane	10.0	9.9	99	27-158	
Chloromethane	10.0	10.5	105	51-137	
Vinyl chloride	10.0	10.3	103	57-137	
Bromomethane	10.0	9.8	98	44-156	
Chloroethane	10.0	10.2	102	60-140	
Trichlorofluoromethane	10.0	10.5	105	54-146	
1,1-Dichloroethene	10.0	10.4	104	70-130	
Acetone	50.0	53.1	106	55-137	
Carbon disulfide	10.0	9.5	95	50-127	
Methylene chloride	10.0	9.8	98	73-121	
Iodomethane	10.0	9.4	94	50-150	E4
trans-1,2-Dichloroethene	10.0	9.3	93	74-124	
Tert-butylmethylether	10.0	9.7	97	75-119	
1,1-Dichloroethane	10.0	10.0	100	78-121	
Vinyl acetate	10.0	10.1	101	52-129	E4
2,2-Dichloropropane	10.0	9.6	96	61-137	
cis-1,2-Dichloroethene	10.0	9.7	97	80-118	
2-Butanone	50.0	50.2	100	76-122	
Bromochloromethane	10.0	9.6	96	82-118	
Chloroform	10.0	9.5	95	73-125	
1,1,1-Trichloroethane	10.0	9.8	98	76-124	
1,1-Dichloropropene	10.0	9.9	99	80-119	
Carbon tetrachloride	10.0	9.5	95	68-135	
Benzene	10.0	10.1	101	81-119	
1,2-Dichloroethane	10.0	10.0	100	75-122	
Trichloroethene	10.0	9.9	99	79-118	
1,2-Dichloropropane	10.0	9.6	96	82-115	
Dibromomethane	10.0	9.9	99	84-116	
Bromodichloromethane	10.0	9.6	96	81-122	
cis-1,3-Dichloropropene	10.0	9.8	98	78-118	
4-methyl-2-pentanone	50.0	50.2	100	81-127	
Toluene	10.0	9.8	98	83-116	
trans-1,3-Dichloropropene	10.0	9.7	97	73-122	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260

AAB #: D0602091

Lab Name: Columbia Analytical Services/Redding

LCS ID: M1222W01LCSD

Concentration Units (ug/L or mg/kg): UG/L

Date Extracted: _____ Date Analyzed: 12/22/06

Initial Calibration ID: 12/21/06MSM

Analyte	Expected	Found	%R	Control Limits	Q
1,1,2-Trichloroethane	10.0	9.8	98	83-120	
Tetrachloroethene	10.0	9.7	97	82-118	
1,3-Dichloropropane	10.0	10.0	100	82-119	
2-Hexanone	50.0	49.2	98	81-130	
Dibromochloromethane	10.0	9.5	95	79-124	
1,2-Dibromoethane	10.0	9.8	98	82-116	
Chlorobenzene	10.0	10.0	100	86-114	
1,1,1,2-Tetrachloroethane	10.0	9.3	93	79-122	
Ethylbenzene	10.0	10.1	101	86-116	
Xylene (total)	30.0	29.9	100	85-117	
Styrene	10.0	10.1	101	84-119	
Bromoform	10.0	9.3	93	71-133	
Isopropylbenzene	10.0	10.2	102	77-117	
1,1,2,2-Tetrachloroethane	10.0	10.0	100	80-117	
Bromobenzene	10.0	10.1	101	84-120	
1,2,3-Trichloropropane	10.0	10.2	102	81-122	
n-Propylbenzene	10.0	10.0	100	87-117	
2-Chlorotoluene	10.0	9.9	99	87-119	
1,3,5-Trimethylbenzene	10.0	10.2	102	83-120	
4-Chlorotoluene	10.0	10.3	103	86-118	
tert-Butylbenzene	10.0	9.5	95	82-122	
1,2,4-Trimethylbenzene	10.0	10.3	103	86-121	
sec-Butylbenzene	10.0	10.4	104	84-128	
1,3-Dichlorobenzene	10.0	10.2	102	85-119	
p-Isopropyltoluene	10.0	9.8	98	84-121	
1,4-Dichlorobenzene	10.0	10.0	100	84-118	
n-Butylbenzene	10.0	9.4	94	81-123	
1,2-Dichlorobenzene	10.0	10.1	101	85-117	
1,2-Dibromo-3-chloropropane	40.0	37.7	94	67-121	
1,2,4-Trichlorobenzene	10.0	9.4	94	69-128	
Hexachlorobutadiene	10.0	8.8	88	71-135	
Naphthalene	10.0	9.8	98	60-131	
1,2,3-Trichlorobenzene	10.0	9.1	91	69-130	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260

AAB #: D0602091

Lab Name: Columbia Analytical Services/Redding

LCS ID: M1222W01LCSD Concentration Units (ug/L or mg/kg): UG/L

Date Extracted: _____ Date Analyzed: 12/22/06 _____

Initial Calibration ID: 12/21/06MSM

[illegible]

Surrogate	Recovery	Control Limits	Qualifier
4-Bromofluorobenzene - SS	100	82-124	
Dibromofluoromethane - SS	99	84-127	
Toluene-d8 - SS	100	80-117	

Internal Standard	Qualifier
Fluorobenzene	
Chlorobenzene-d5	
1,4-Dichlorobenzene-d4	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE/LABORATORY CONTROL SAMPLE DUPLICATE

Analytical Method: SW8260

AAB #: D0602091

Lab Name: Columbia Analytical Services/Redding

Concentration Units (ug/L or mg/kg): UG/L

%Solids:

Parent Field Sample ID: M1221W01

BS ID: M1221W01LCS

BSD ID: M1221W01LCSD

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicate Spike Sample Result	%R	%RPD	Control Limits %RPD	Control Limits %R	Q
Dichlorodifluoromethane		10.0	9.6	96	9.9	99	3	20	27-158	
Chloromethane		10.0	10.5	105	10.2	102	3	20	51-137	
Vinyl chloride		10.0	10.3	103	10.2	102	1	20	57-137	
Bromomethane		10.0	10.3	103	9.7	97	6	20	44-156	
Chloroethane		10.0	10.2	102	9.8	98	4	20	60-140	
Trichlorofluoromethane		10.0	10.9	109	10.6	106	3	20	54-146	
1,1-Dichloroethene		10.0	10.7	107	10.4	104	3	20	70-130	
Acetone		50.0	53.7	107	53.1	106	1	20	55-137	
Carbon disulfide		10.0	9.8	98	9.4	94	4	20	50-127	
Methylene chloride		10.0	10.0	100	9.6	96	4	20	73-121	
Iodomethane		10.0	9.7	97	9.4	94	3	20	50-150	E4
trans-1,2-Dichloroethene		10.0	9.6	96	9.5	95	1	20	74-124	
Tert-butylmethylether		10.0	9.7	97	9.5	95	2	20	75-119	
1,1-Dichloroethane		10.0	10.0	100	9.9	99	1	20	78-121	
Vinyl acetate		10.0	9.9	99	9.7	97	2	20	52-129	E4
2,2-Dichloropropane		10.0	9.0	90	8.7	87	3	20	61-137	
cis-1,2-Dichloroethene		10.0	9.9	99	9.8	98	1	20	80-118	
2-Butanone		50.0	52.0	104	50.6	101	3	20	76-122	
Bromochloromethane		10.0	9.9	99	9.6	96	3	20	82-118	
Chloroform		10.0	9.7	97	9.7	97	0	20	73-125	
1,1,1-Trichloroethane		10.0	9.9	99	9.6	96	3	20	76-124	
1,1-Dichloropropene		10.0	9.7	97	9.9	99	2	20	80-119	
Carbon tetrachloride		10.0	9.6	96	9.6	96	0	20	68-135	
Benzene		10.0	10.2	102	10.1	101	1	20	81-119	
1,2-Dichloroethane		10.0	10.0	100	9.9	99	1	20	75-122	
Trichloroethene		10.0	9.9	99	9.8	98	1	20	79-118	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE/LABORATORY CONTROL SAMPLE DUPLICATE

Analytical Method: SW8260

AAB #: D0602091

Lab Name: Columbia Analytical Services/Redding

Concentration Units (ug/L or mg/kg): UG/L

%Solids:

Parent Field Sample ID: M1221W01

BS ID: M1221W01LCS

BSD ID: M1221W01LCSD

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicat Spike Sample Result	%R	%RPD	Control Limits %RPD	Control Limits %R	Q
1,2-Dichloropropane		10.0	9.9	99	9.7	97	2	20	82-115	
Dibromomethane		10.0	10.0	100	9.7	97	3	20	84-116	
Bromodichloromethane		10.0	9.6	96	9.5	95	1	20	81-122	
cis-1,3-Dichloropropene		10.0	9.9	99	9.9	99	0	20	78-118	
4-methyl-2-pentanone		50.0	51.1	102	51.2	102	0	20	81-127	
Toluene		10.0	10.0	100	10.0	100	0	20	83-116	
trans-1,3-Dichloropropene		10.0	10.0	100	9.7	97	3	20	73-122	
1,1,2-Trichloroethane		10.0	10.3	103	10.0	100	3	20	83-120	
Tetrachloroethene		10.0	9.8	98	9.6	96	2	20	82-118	
1,3-Dichloropropane		10.0	10.4	104	10.1	101	3	20	82-119	
2-Hexanone		50.0	50.9	102	50.4	101	1	20	81-130	
Dibromochloromethane		10.0	9.8	98	9.6	96	2	20	79-124	
1,2-Dibromoethane		10.0	10.1	101	9.8	98	3	20	82-116	
Chlorobenzene		10.0	10.1	101	10.1	101	0	20	86-114	
1,1,1,2-Tetrachloroethane		10.0	9.7	97	9.6	96	1	20	79-122	
Ethylbenzene		10.0	10.1	101	10.1	101	0	20	86-116	
Xylene (total)		30.0	29.3	98	29.4	98	0	20	85-117	
Styrene		10.0	9.8	98	9.8	98	0	20	84-119	
Bromoform		10.0	9.4	94	9.4	94	0	20	71-133	
Isopropylbenzene		10.0	9.8	98	9.9	99	1	20	77-117	
1,1,1,2,2-Tetrachloroethane		10.0	11.4	114	11.0	110	4	20	80-117	
Bromobenzene		10.0	10.6	106	10.4	104	2	20	84-120	
1,2,3-Trichloropropane		10.0	11.1	111	10.5	105	6	20	81-122	
n-Propylbenzene		10.0	9.9	99	10.0	100	1	20	87-117	
2-Chlorotoluene		10.0	10.2	102	10.2	102	0	20	87-119	
1,3,5-Trimethylbenzene		10.0	10.2	102	9.7	97	5	20	83-120	

Comments:

Parent Field Sample ID: M1221W01 BS ID: M1221W01LCS BSD ID: M1221W01LCSD

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE/LABORATORY CONTROL SAMPLE DUPLICATE

Analytical Method: SW8260 AAB #: D0602091

Lab Name: Columbia Analytical Services/Redding

Concentration Units (ug/L or mg/kg): UG/L %Solids:

Parent Field Sample ID: M1222W01 BS ID: M1222W01LCS BSD ID: M1222W01LCSD

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicat Spike Sample Result	%R	%RPD	Control Limits %RPD	Control Limits %R	Q
Dichlorodifluoromethane		10.0	9.7	97	9.9	99	2	20	27-158	
Chloromethane		10.0	10.2	102	10.5	105	3	20	51-137	
Vinyl chloride		10.0	10.1	101	10.3	103	2	20	57-137	
Bromomethane		10.0	9.8	98	9.8	98	0	20	44-156	
Chloroethane		10.0	10.0	100	10.2	102	2	20	60-140	
Trichlorofluoromethane		10.0	10.1	101	10.5	105	4	20	54-146	
1,1-Dichloroethene		10.0	10.3	103	10.4	104	1	20	70-130	
Acetone		50.0	49.2	98	53.1	106	8	20	55-137	
Carbon disulfide		10.0	9.6	96	9.5	95	1	20	50-127	
Methylene chloride		10.0	9.8	98	9.8	98	0	20	73-121	
Iodomethane		10.0	9.3	93	9.4	94	1	20	50-150	E4
trans-1,2-Dichloroethene		10.0	9.5	95	9.3	93	2	20	74-124	
Tert-butylmethylether		10.0	9.2	92	9.7	97	5	20	75-119	
1,1-Dichloroethane		10.0	9.5	95	10.0	100	5	20	78-121	
Vinyl acetate		10.0	9.2	92	10.1	101	9	20	52-129	E4
2,2-Dichloropropane		10.0	9.7	97	9.6	96	1	20	61-137	
cis-1,2-Dichloroethene		10.0	9.5	95	9.7	97	2	20	80-118	
2-Butanone		50.0	48.2	96	50.2	100	4	20	76-122	
Bromochloromethane		10.0	9.2	92	9.6	96	4	20	82-118	
Chloroform		10.0	9.3	93	9.5	95	2	20	73-125	
1,1,1-Trichloroethane		10.0	9.5	95	9.8	98	3	20	76-124	
1,1-Dichloropropene		10.0	9.5	95	9.9	99	4	20	80-119	
Carbon tetrachloride		10.0	9.2	92	9.5	95	3	20	68-135	
Benzene		10.0	9.7	97	10.1	101	4	20	81-119	
1,2-Dichloroethane		10.0	9.4	94	10.0	100	6	20	75-122	
Trichloroethene		10.0	9.6	96	9.9	99	3	20	79-118	

Comments:

ORGANIC ANALYSES DATA SHEET 7
LABORATORY CONTROL SAMPLE/LABORATORY CONTROL SAMPLE DUPLICATE

Analytical Method: SW8260 AAB #: D0602091

Lab Name: Columbia Analytical Services/Redding

Concentration Units (ug/L or mg/kg): UG/L %Solids:

Parent Field Sample ID: M1222W01 BS ID: M1222W01LCS BSD ID: M1222W01LCSD

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicat Spike Sample Result	%R	%RPD	Control Limits %RPD	Control Limits %R	Q
1,2-Dichloropropane		10.0	9.2	92	9.6	96	4	20	82-115	
Dibromomethane		10.0	9.2	92	9.9	99	7	20	84-116	
Bromodichloromethane		10.0	9.0	90	9.6	96	6	20	81-122	
cis-1,3-Dichloropropene		10.0	9.3	93	9.8	98	5	20	78-118	
4-methyl-2-pentanone		50.0	48.1	96	50.2	100	4	20	81-127	
Toluene		10.0	9.8	98	9.8	98	0	20	83-116	
trans-1,3-Dichloropropene		10.0	9.4	94	9.7	97	3	20	73-122	
1,1,2-Trichloroethane		10.0	9.4	94	9.8	98	4	20	83-120	
Tetrachloroethene		10.0	9.9	99	9.7	97	2	20	82-118	
1,3-Dichloropropane		10.0	9.6	96	10.0	100	4	20	82-119	
2-Hexanone		50.0	48.1	96	49.2	98	2	20	81-130	
Dibromochloromethane		10.0	9.1	91	9.5	95	4	20	79-124	
1,2-Dibromoethane		10.0	9.6	96	9.8	98	2	20	82-116	
Chlorobenzene		10.0	9.9	99	10.0	100	1	20	86-114	
1,1,1,2-Tetrachloroethane		10.0	9.2	92	9.3	93	1	20	79-122	
Ethylbenzene		10.0	10.0	100	10.1	101	1	20	86-116	
Xylene (total)		30.0	29.6	99	29.9	100	1	20	85-117	
Styrene		10.0	9.8	98	10.1	101	3	20	84-119	
Bromoform		10.0	9.2	92	9.3	93	1	20	71-133	
Isopropylbenzene		10.0	10.1	101	10.2	102	1	20	77-117	
1,1,2,2-Tetrachloroethane		10.0	10.2	102	10.0	100	2	20	80-117	
Bromobenzene		10.0	10.1	101	10.1	101	0	20	84-120	
1,2,3-Trichloropropane		10.0	10.0	100	10.2	102	2	20	81-122	
n-Propylbenzene		10.0	10.1	101	10.0	100	1	20	87-117	
2-Chlorotoluene		10.0	9.8	98	9.9	99	1	20	87-119	
1,3,5-Trimethylbenzene		10.0	10.4	104	10.2	102	2	20	83-120	

Comments:

ORGANIC ANALYSES DATA SHEET 8
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: SW8260 AAB #: D0602091

Lab Name: Columbia Analytical Services/Redding

Concentration Units (ug/L or mg/kg): UG/L %Solids:

Parent Field Sample ID: ASE-51A-6D2 MS ID: ASE-51A-6D2MS MSD ID: ASE-51A-6D2MSD

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicat Spike Sample Result	%R	%RPD	Control Limits %RPD	Control Limits %R	Q
Dichlorodifluoromethane		10.0	9.5	95	9.9	99	4	20	27-158	
Chloromethane		10.0	10.6	106	10.7	107	1	20	51-137	
Vinyl chloride	0.89	10.0	10.9	100	10.9	100	0	20	57-137	
Bromomethane		10.0	10.3	103	9.7	97	6	20	44-156	
Chloroethane	3.7	10.0	13.6	99	13.5	98	1	20	60-140	
Trichlorofluoromethane		10.0	9.6	96	9.9	99	3	20	54-146	
1,1-Dichloroethene	1.0	10.0	11.3	103	11.6	106	3	20	70-130	
Acetone	2.9	50.0	42.4	79	53.7	102	24	20	55-137	R5
Carbon disulfide		10.0	7.8	78	7.4	74	5	20	50-127	
Methylene chloride	0.33	10.0	9.7	94	9.7	94	0	20	73-121	
Iodomethane	0.22	10.0	9.5	93	9.2	90	3	20	50-150	E4
trans-1,2-Dichloroethene		10.0	9.3	93	9.3	93	0	20	74-124	
Tert-butylmethylether	65.7	10.0	76.3	106	79.1	134	4	20	75-119	M3
1,1-Dichloroethane	15.5	10.0	25.5	100	25.4	99	0	20	78-121	
Vinyl acetate		10.0	7.8	78	7.9	79	1	20	52-129	E4
2,2-Dichloropropane		10.0	7.6	76	7.5	75	1	20	61-137	
cis-1,2-Dichloroethene	1.8	10.0	11.2	94	11.3	95	1	20	80-118	
2-Butanone		50.0	46.1	92	52.6	105	13	20	76-122	
Bromochloromethane		10.0	9.1	91	9.4	94	3	20	82-118	
Chloroform	0.29	10.0	9.6	93	9.4	91	2	20	73-125	
1,1,1-Trichloroethane		10.0	9.3	93	9.4	94	1	20	76-124	
1,1-Dichloropropene		10.0	9.6	96	9.8	98	2	20	80-119	
Carbon tetrachloride		10.0	8.5	85	8.3	83	2	20	68-135	
Benzene	102	10.0	113	110	113	110	0	20	81-119	M3
1,2-Dichloroethane		10.0	9.3	93	9.6	96	3	20	75-122	
Trichloroethene	4.9	10.0	14.5	96	14.2	93	2	20	79-118	

Comments:

ORGANIC ANALYSES DATA SHEET 8
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: SW8260 AAB #: D0602091

Lab Name: Columbia Analytical Services/Redding

Concentration Units (ug/L or mg/kg): UG/L %Solids:

Parent Field Sample ID: ASE-51A-6D2 MS ID: ASE-51A-6D2MS MSD ID: ASE-51A-6D2MSD

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicat Spike Sample Result	%R	%RPD	Control Limits %RPD	Control Limits %R	Q
1,2-Dichloropropane		10.0	9.4	94	9.7	97	3	20	82-115	
Dibromomethane		10.0	9.0	90	9.2	92	2	20	84-116	
Bromodichloromethane		10.0	8.9	89	8.7	87	2	20	81-122	
cis-1,3-Dichloropropene		10.0	8.1	81	7.7	77	5	20	78-118	M2
4-methyl-2-pentanone		50.0	49.4	99	54.4	109	10	20	81-127	
Toluene	0.43	10.0	10.2	98	10.1	97	1	20	83-116	
trans-1,3-Dichloropropene		10.0	8.0	80	7.4	74	8	20	73-122	
1,1,2-Trichloroethane		10.0	9.4	94	9.5	95	1	20	83-120	
Tetrachloroethene	0.42	10.0	10.0	96	10.0	96	0	20	82-118	
1,3-Dichloropropane		10.0	9.4	94	9.7	97	3	20	82-119	
2-Hexanone		50.0	48.9	98	53.8	108	10	20	81-130	
Dibromochloromethane		10.0	7.7	77	7.6	76	1	20	79-124	M2
1,2-Dibromoethane		10.0	9.1	91	9.5	95	4	20	82-116	
Chlorobenzene		10.0	10.5	105	10.4	104	1	20	86-114	
1,1,1,2-Tetrachloroethane		10.0	8.8	88	8.3	83	6	20	79-122	
Ethylbenzene	92.9	10.0	96.4	35	96.6	37	0	20	86-116	M3
Xylene (total)	83.7	30.0	114	101	112	94	2	20	85-117	
Styrene		10.0	8.6	86	7.9	79	8	20	84-119	M2
Bromoform		10.0	7.0	70	7.0	70	0	20	71-133	M2
Isopropylbenzene	29.1	10.0	38.5	94	38.6	95	0	20	77-117	
1,1,2,2-Tetrachloroethane		10.0	9.8	98	10.5	105	7	20	80-117	
Bromobenzene		10.0	9.8	98	9.7	97	1	20	84-120	
1,2,3-Trichloropropane		10.0	10.0	100	11.0	110	10	20	81-122	
n-Propylbenzene	35.0	10.0	44.2	92	45.0	100	2	20	87-117	
2-Chlorotoluene		10.0	10.2	102	10.2	102	0	20	87-119	
1,3,5-Trimethylbenzene	15.6	10.0	25.3	97	24.1	85	5	20	83-120	

Comments:

ORGANIC ANALYSES DATA SHEET 8
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

AAB #: D0602091

Lab Name: Columbia Analytical Services/Redding

%Solids: _____

MS ID: ASE-51A-6D2MS

MSD ID: ASE-51A-6D2MSD

[illegible]

Comments:

ORGANIC ANALYSES DATA SHEET 9
HOLDING TIMES

Analytical Method: SW8260

AAB #: D0602091

Lab Name: Columbia Analytical Services/Redding

[illegible]

Comments:

ORGANIC ANALYSES DATA SHEET 10
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: SW8260 AAB #: D0602091

Lab Name: Columbia Analytical Services/Redding

Instrument ID #: MSM DB-624

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Laboratory File ID	Date Analysis Started	Time Analysis Started	Date Analysis Completed	Time Analysis Completed
VSTD00.5	M065649	12/21/06	1439	12/21/06	1459
VSTD001	M065650	12/21/06	1500	12/21/06	1520
VSTD005	M065651	12/21/06	1521	12/21/06	1541
VSTD010	M065652	12/21/06	1543	12/21/06	1603
VSTD020	M065653	12/21/06	1604	12/21/06	1624
VSTD100	M065655	12/21/06	1647	12/21/06	1707
VSTD150	M065656	12/21/06	1709	12/21/06	1729
VSTD050	M065658	12/21/06	1752	12/21/06	1812
QCALTSTD4	M065661	12/21/06	1856	12/21/06	1916
VSTD10M	M065665	12/21/06	2022	12/21/06	2042
M1221W01LCS	M065666	12/21/06	2043	12/21/06	2103
M1221W01LCSD	M065667	12/21/06	2105	12/21/06	2125
M1221W01	M065669	12/21/06	2148	12/21/06	2208
TB-121506	M065670	12/21/06	2209	12/21/06	2229
ASE-66A-6D2	M065671	12/21/06	2231	12/21/06	2251
ASE-68A-6D2	M065672	12/21/06	2252	12/21/06	2312
PL-507-6D2	M065673	12/21/06	2314	12/21/06	2334
ASE-20A-6D2	M065674	12/21/06	2335	12/21/06	2355
ASE-53A-6D2	M065675	12/21/06	2356	12/22/06	0016
ASE-52A-6D2	M065676	12/22/06	0018	12/22/06	0038
ASE-65A-6D2	M065677	12/22/06	0039	12/22/06	0059
ASE-51A-6D2	M065678	12/22/06	0101	12/22/06	0121
ASE-51A-6D2MS	M065679	12/22/06	0122	12/22/06	0142
ASE-51A-6D2MSD	M065680	12/22/06	0144	12/22/06	0204
VSTD10M	M065684	12/22/06	0952	12/22/06	1012
M1222W01LCS	M065685	12/22/06	1014	12/22/06	1034

Comments:

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INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: SW8260

AAB #: D0602091

Lab Name: Columbia Analytical Services/Redding

Instrument ID #: MSM DB-624

[illegible]

Comments:

ORGANIC ANALYSES DATA SHEET APPENDIX A
SURROGATE RESULTS

Analytical Method: SW8260

AAB #: D0602091

Lab Name: Columbia Analytical Services/Redding

Matrix: Water

Field/QC Sample ID	S1	S2	S3	S4	S5	S6	S7	S8	Q
M1221W01LCS	105	103	102						
M1221W01LCSD	106	101	101						
M1221W01	102	99	101						
TB-121506	101	101	102						
ASE-66A-6D2	101	103	102						
ASE-68A-6D2	102	101	100						
PL-507-6D2	103	99	100						
ASE-20A-6D2	101	97	99						
ASE-53A-6D2	101	100	100						
ASE-52A-6D2	103	99	99						
ASE-65A-6D2	102	98	102						
ASE-51A-6D2	101	99	99						
ASE-51A-6D2MS	99	99	99						
ASE-51A-6D2MSD	101	98	99						
M1222W01LCS	103	99	100						
M1222W01LCSD	100	99	100						
M1222W01	100	98	101						
ASE-51A-6D2DL	100	99	100						
ASE-52A-6D2DL	101	97	102						

S1: 4-Bromofluorobenzene - SS 82-124
 S2: Dibromofluoromethane - SS 84-127
 S3: Toluene-d8 - SS 80-117

Comments:

Soil Gas Helium Analyses for CH2M Hill

Performed by
Dr. Richard L. Johnson
304 SW Hamilton Street
Portland, Oregon 97239

Introduction

The text below describes soil gas samples that have been analyzed for helium concentration using gas chromatography (GC) with thermal conduction detection. The samples were collected by CH2M Hill in 0.8 liter stainless steel cans that had been evacuated prior to sampling. The GC analytical method used was sufficient to separate helium from all other common atmospheric constituents, including hydrogen¹. All samples were collected by CH2M Hill in September and October 2006. They were then shipped by overnight courier to Portland, Oregon and were analyzed on the day they were received.

Sample Handling Procedure

Upon receipt, canisters were pressurized by injecting 1.0 liters of argon into each canister using a gas-tight syringe.

Analysis Method

At the time of analysis, a one-milliliter sample was taken from the canister to be analyzed and injected into a gas sampling valve with a 0.3 mL sample loop. With the GC oven at 30°C, the sample was injected onto a 15m long Carboxen 1010 PLOT column. The temperature was maintained at 30°C for 1.5 minutes until after the helium had eluted, and then raised to 200°C at 25 degrees per minute to remove all other soil gas components.

The GC was calibrated each day with four gas standards (0.02%, 0.1%, 1%, and 10% helium by volume). The standards were prepared by making the appropriate mixture in a one-liter Tedlar bag, then drawing the sample into an evacuated canister in much the same manner as the samples were taken in the field. Each of the canisters was then pressurized with 1.0 liters of argon. A linear calibration curve, passing through the origin, was generated from the standards and used for quantitation of helium in the samples. The calibration data are listed in Table II. The quantitation limit for the analysis was 0.02% helium by volume.

¹ We are unaware of any interferences with the helium analysis, and given the significant number of “non-detects” in the samples analyzed, we are confident that nothing interfered with these helium measurements. The objective of these analyses was to eliminate the interferences that occur when helium leak detectors are used in the field to detect helium in soil gas. Those interferences are primarily due to carbon dioxide and methane in soil gas. The GC method is known to eliminate those interferences.

Results

Table I lists the helium analyses for all of the samples received from CH2M Hill (reported as percent helium by volume of the received sample), along with sample time and date and analysis date. In all cases the chromatograms were examined to ensure that integration of the helium peaks was satisfactory and that there were no interferences.

TABLE I.

SAMPLE	COLLECTION DATE:TIME	He (% V:V)	ANALYSIS DATE
P-16-M-WD06-0918	09/18:0907	0.04	09/19
P-23-U-WD06-0918	09/18:1047	0.05	09/19
P-37-WD06-0918	09/18:1254	<0.02	09/19
P-38-WD06-0918	09/18:1342	<0.02	09/19
P35-WD06-0918	09/18:1532	4.04	09/19
P-33-WD06-0919	09/19:1044	0.17	09/21
ASE-113A-WD06-0920	09/20:0258	0.39	09/21
P-25-M-WD06-0920	09/20:0530	<0.02	09/21
BC-7A-WD06-0921	09/21:0918	<0.02	09/22
P-40-WD06-0921	09/21:1052	<0.02	09/22
P-28-U-WD06-0921	09/21:1208	<0.02	09/22
P-28-M-WD06-0921	09/21:1306	<0.02	09/22
P-28-L-WD06-0921	09/21:1432	<0.02	09/22
D-WD06-01-0921	09/21:0700	<0.02	09/22
P-32-WD06-0922	09/22:1352	<0.02	09/26
P-46-U-WD06-092	09/22:0835	<0.02	09/26
P-21-U-WD06-092	09/22:1249	<0.02	09/26
PL-103A-WD06-0922	09/22:1159	0.08	09/26

TABLE I (Cont.)

SAMPLE	COLLECTION DATE:TIME	He (%V:V)	ANALYSIS DATE
P31-WD06-0925	09/25:1235	0.15	09/26
D-WD06-0925	09/25:1000	<0.02	09/26
P-47-WD06-0925	09/25:1134	<0.02	09/26
P-36-WD06-0925	09/25:1349	<0.02	09/26
P-39-WD06-0925	09/25:1514	0.67	09/26
P-34-WD06-0925	09/25:1025	<0.02	09/26
ASE-114A-WD06-0928	09/28:0217	23.4	09/29
ASE-69A-WD06-0927	09/27:0814	0.66	09/29
P-25-M-WD06-0928	09/28:0553	<0.02	09/29
P-25-U-WD06-0928	09/28:0520	<0.02	09/29
PL-105A-WD06-0929	09/29:0911	<0.02	10/03
P-34-M-WD06-0929	09/29:1328	<0.02	10/03
P-17-U-WD06-0929	09/29:1139	<0.02	10/03
BC-18-WD06-1006	10/06:0205	0.31	10/06
P-14-U-WD06-1010	10/10:1000	<0.02	10/11
D-WD06-1010	10/10:1000	<0.02	10/11

TABLE II. GC CALIBRATION DATA

DATE	He CONCENTRATION (% V:V)	PEAK AREA
09/19	0.02%	0.10
	0.10	0.66
	1.0	6.40
	10.0	69.90
09/21	0.02%	0.12
	0.10	0.77
	1.0	7.54
	10.0	86.09
09/22	0.02%	0.12
	0.10	0.75
	1.0	7.46
	10.0	79.23
09/26	0.02%	0.12
	0.10	0.76
	1.0	6.74
	10.0	73.76
09/29	0.02%	0.09
	0.10	0.55
	1.0	5.08
	10.0	48.29

TABLE II. GC CALIBRATION DATA (Cont)

DATE	He CONCENTRATION (% V:V)	PEAK AREA
10/03	0.02%	0.09
	0.10	0.61
	1.0	6.11
	10.0	59.90
10/06	0.02%	0.10
	0.10	0.47
	1.0	4.88
	10.0	44.63
10/11	0.02%	0.18
	0.10	0.94
	1.0	9.70
	10.0	94.44

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TABLE I.

SAMPLE	COLLECTION	He (% V:V)	ANALYSIS DATE
	DATE:TIME		
P-17-M-WD_111406	11/14/2006:1020	<0.02	11/16
P-17-U-WD_111406	11/14/2006:1125	<0.02	11/16
P-21-U-WD_111406	11/14/2006:1340	<0.02	11/16
P-23-U-WD_111406	11/14/2006:1520	<0.02	11/16
P-47-WD_111506	11/15/2006:0859	<0.02	11/16
P-28-U-WD_111506	11/15/2006:1031	<0.02	11/16
P-28-M-WD_111506	11/15/2006:1128	<0.02	11/16
P-28-L-WD_111506	11/15/2006:1331	<0.02	11/16

TABLE II. GC CALIBRATION DATA

DATE	He CONCENTRATION (% V:V)	PEAKAREA
11/16	0.02%	0.12
	0.10	0.75
	1.0	6.70
	10.0	71.90